CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Apr. 3	Kewanee, Ill.	Mar. 23
	Adv. Mar. 16 to 30.	
Apr. 3	Lodi, Cal.	Mar. 23
Apr. 3	St. Paul, Minn	Mar. 30
Apr. 4	Albemarle, N. C.	Mar. 23
Apr. 4	Phila., Pa.	Mar. 30
Apr. 5	Sonoma, Cal.	Mar. 30
Apr. 5	Wood Lake, Neb	Mar. 30
Apr. 5	New Hampton, N. Y.	Mar. 30
Apr. 5	Brooklyn, N. Y	Mar. 30
Apr. 7	Delavan, Wis.	Mar. 30
Apr. 8	Seaforth, Ont.	Mar. 23
Apr. 10	Springfield, Mass.	Mar. 23
	Adv. Mar. 23 and 30.	
Apr. 11	Colman, S. D.	Mar. 30
Apr. 12	San Francisco, Cal.	Mar. 9
Apr. 12	Cleveland, O.	Mar. 23
Apr. 14	Spring Green, Wis.	Mar. 23
Apr. 18	Lexington, N. C.	Mar. 23

SEWERS

Apr. 3	Atlanta, Ga.	Mar. 30
Apr. 6	Cleveland, O.	Mar. 30
Apr. 10	Los Angeles, Cal.	Feb. 16
Apr. 10	Madison, N. J.	Mar. 30
	Adv. Mar. 30.	
Apr. 13	Warren, O.	Mar. 30
Apr. 14	Dinuba, Cal.	Mar. 30
Apr. 14	Walhalla, S. C.	Mar. 30
Apr. 17	Ames, Ia.	Mar. 16
Apr. 18	Jersey City, N. J.	Mar. 23
	Adv. Mar. 23 and 30.	
Apr. 18	Paterson, N. J.	Mar. 30

BRIDGES

Apr. 1	Monticello, N. Y.	Mar. 23
	Adv. Mar. 23 and 30.	
Apr. 4	West Virginia	Mar. 9
Apr. 4	Lewisburg, W. Va.	Mar. 16
Apr. 4	Indiana	Mar. 23
Apr. 4	Lenhartsville, Pa.	Mar. 23
	Adv. Mar. 16 to 30.	
Apr. 4	Dublin, Ga.	Mar. 23
Apr. 4	Keosauqua, Ia.	Mar. 23
Apr. 4	Cherokee, Ia.	Mar. 23
Apr. 4	Vicksburg, Miss.	Mar. 30
Apr. 4	Wisconsin	Mar. 30
Apr. 4	Mora, Minn.	Mar. 30
Apr. 4	Indiana	Mar. 30
Apr. 5	Kenmore, O.	Mar. 30
Apr. 6	Pensacola, Fla.	Mar. 16
Apr. 7	Chehalis, Wash.	Mar. 23
Apr. 10	Shadesville, O.	Mar. 16
Apr. 11	Alabama	Mar. 16
Apr. 11	Lake Charles, La.	Mar. 23
	Adv. Mar. 23 and 30.	
Apr. 11	Alabama	Mar. 30
Apr. 17	Victoria, B. C.	Mar. 23
	Adv. Mar. 23 and 30.	
Apr. 17	Galveston, Tex.	Mar. 30
Apr. 18	Pensacola, Fla.	Mar. 23
Apr. 18	Raymond, Wash.	Mar. 23
Oct. 31	Sydney, Australia	Jan. 12

DAMS

Apr. 3	Basin, Wyo.	Mar. 9
Apr. 20	Columbus, O.	Mar. 23
Apr. 22	Clarksburg, W. Va.	Mar. 23
Apr. 25	Culbertson, Neb.	Mar. 30
	Adv. Mar. 30.	
May 12	Highland Park (Joliet P. O.), Ill.	Mar. 30

RAILWAYS

Apr. 3	New York	Mar. 23

EXCAVATION AND DREDGING

Apr. 3	Muscatine, Ia.	Mar. 23
Apr. 4	Charles City, Ia.	Mar. 23
Apr. 5	Clarinda, Ia.	Mar. 30
Apr. 5	Brooklyn, N. Y	Mar. 30
Apr. 6	Ada, Minn.	Mar. 30
Apr. 7	Neillsville, Wis.	Mar. 16
Apr. 7	Racine, Wis.	Mar. 30
Apr. 10	Ontario	Mar. 9
	Adv. Mar. 9 to 30.	
r. 18	Rochester, N Y.	Mar. 23
	Adv. Mar. 23 and 30.	

STREETS AND ROADS

Bids Close		See Eng. News-Record
. 3	San Luis Obispo, Cal.	Mar. 23
Apr. 3	Quebec	Mar. 16
Apr. 3	California	Mar. 16
Apr. 3	Greensboro, N. C.	Mar. 23
	Adv. Mar. 23 and 30.	
Apr. 3	Michigan	Mar. 23
Apr. 3	Seymour, Wis.	Mar. 23
Apr. 3	Manitowoc, Wis.	Mar. 23
Apr. 3	Euclid, O.	Mar. 23
Apr. 3	Jeffersonville, Ind.	Mar. 23
Apr. 3	Two Harbors, Minn.	Mar. 30
Apr. 3	Louisiana	Mar. 30
Apr. 3	Racine, Wis.	Mar. 30
Apr. 3	Atlanta, Ga.	Mar. 30
Apr. 3	Cannelton, Ind.	Mar. 30
Apr. 4	Bexley (Columbus P. O.), O.	Mar. 16
Apr. 4	Shawano, Wis.	Feb. 23
Apr. 4	Somerville, N. J.	Mar. 9
Apr. 4	Trenton, N. J.	Mar. 23
Apr. 4	Shawano, Wis.	Mar. 16
Apr. 4	Mound City, Kan.	Mar. 9
Apr. 4	West Virginia	Mar. 9
Apr. 4	Willmar, Minn.	Mar. 23
Apr. 4	Missouri	Mar. 23
Apr. 4	Stillwater, Minn.	Mar. 23
Apr. 4	Rochester, Minn.	Mar. 23
Apr. 4	Minnesota	Mar. 23
Apr. 4	Vicksburg, Miss.	Mar. 30
Apr. 4	Orange, Va.	Mar. 30
Apr. 4	Horseheads, N. Y.	Mar. 30
	Adv. Mar. 30.	
Apr. 4	St. George, S. I., N. Y.	Mar. 30
Apr. 4	Ann Arbor, Mich.	Mar. 30
	Adv. Mar. 30.	
Apr. 4	Grosse Pointe (Detroit P. O.) Mich.	Mar. 30
Apr. 4	Albert Lea, Minn.	Mar. 30
Apr. 4	Indiana	Mar. 30
Apr. 4	Princeton, Ind.	Mar. 30
Apr. 4	Crown Point, Ind.	Mar. 30
Apr. 5	Green Bay, Wis.	Mar. 30
Apr. 5	Greenville, Tex.	Mar. 30
Apr. 5	Decorah, Ia.	Mar. 30
Apr. 5	Rye, N. Y.	Mar. 30
	Adv. Mar. 30.	
Apr. 5	Red Lake Falls, Minn.	Mar. 23
Apr. 5	Topeka, Kan.	Mar. 16
Apr. 5	Michigan	Mar. 23
Apr. 5	Freehold, N. J.	Mar. 23
	Adv. Mar. 16 to 30.	
Apr. 5	Sea Girt, N. J.	Mar. 23
	Adv. Mar. 16 to 30.	
Apr. 5	Cleveland, O.	Mar. 30
Apr. 5	Nevada	Mar. 30
Apr. 5	Huntington, W. Va.	Mar. 30
Apr. 6	Minnesota	Mar. 16
Apr. 6	Pensacola, Fla.	Mar. 9
	Adv. Mar. 9 to 30.	
Apr. 6	York, S. C.	Mar. 23
Apr. 6	Minnesota	Mar. 23
Apr. 6	Colorado	Mar. 30
Apr. 6	New York, N. Y	Mar. 30
Apr. 7	Eldorado, Kan.	Mar. 16
Apr. 7	Williamsport, Pa.	Mar. 30
	Adv. Mar. 30.	
Apr. 7	Wisconsin	Mar. 30
Apr. 8	Ohio	Mar. 23
Apr. 8	Abbeville, S. C.	Mar. 30
Apr. 8	Washington	Mar. 30
Apr. 8	Olympia, Wash.	Mar. 30
Apr. 10	Hinton, W. Va.	Mar. 16
Apr. 10	Salem, N. J.	Mar. 16
	Adv. Mar. 16 to 30.	
Apr. 10	Hastings, Minn.	Mar. 23
Apr. 10	Syracuse, N. Y.	Mar. 30
	Adv. Mar. 30.	
Apr. 10	Camden, N. J.	Mar. 30
	Adv. Mar. 30.	
Apr. 10	California	Mar. 30
Apr. 10	Bushnell, Fla.	Mar. 30
Apr. 10	Pine City, Minn.	Mar. 30
Apr. 10	Appleton, Wis.	Mar. 30
Apr. 10	Casper, Wyo.	Mar. 30
Apr. 10	Chehalis, Wash.	Mar. 30
Apr. 10	Oakland, Cal.	Mar. 30
Apr. 11	Southern Pines, N. C.	Mar. 16
	Adv. Mar. 16 and 30.	
Apr. 11	Meadville, Pa.	Mar. 23
	Adv. Mar. 23 and 30.	
Apr. 11	Michigan	Mar. 30
Apr. 11	Columbus, O.	Mar. 30
Apr. 11	Ocala, Fla.	Mar. 30
Apr. 11	Allendale, S. C.	Mar. 30
Apr. 12	Marked Tree, Ark.	Mar. 23
Apr. 12	Freehold, N. J.	Mar. 30
	Adv. Mar. 23 and 30.	
Apr. 12	Minster, O.	Mar. 30
Apr. 12	Decatur, Ala.	Mar. 30
Apr. 13	Abilene, Kan.	Mar. 16
Apr. 13	Missouri	Mar. 30
Apr. 13	Bridgeton, N. J	Mar. 30
	Adv. Mar. 30.	
Apr. 14	Tennessee	Mar. 23
Apr. 14	Madison, Wis.	Mar. 23
Apr. 14	Toms River, N. J.	Mar. 30
	Adv. Mar. 30.	
Apr. 14	Morristown, N. J.	Mar. 30
	Adv. Mar. 30.	
Apr. 14	Missouri	Mar. 30
Apr. 14	Tennessee	Mar. 30
Apr. 15	Ebensburg, Pa.	Mar. 30
Apr. 17	Johnstown, N. Y.	Mar. 30
	Adv. Mar. 30.	
Apr. 17	Sterling, Col.	Mar. 23
Apr. 17	Ebensburg, Pa.	Mar. 30
Apr. 17	Everett, Wash.	Mar. 30
Apr. 17	California	Mar. 30
Apr. 18	Pennsylvania	Mar. 30
	Adv. Mar. 30.	
Apr. 18	Washington	Mar. 23
Apr. 18	Bound Brook, N. J	Mar. 30
Apr. 18	Longueil, Que.	Mar. 30
Apr. 18	Orlando, Fla.	Mar. 30
Apr. 18	Somerville, N. J.	Mar. 30
	Adv. Mar. 23 and 30.	
Apr. 19	Pennsylvania	Mar. 30
	Adv. Mar. 30.	
Apr. 19	Preston, Minn.	Mar. 23
Apr. 20	Valdosta, Ga.	Mar. 30
Apr. 21	Hutchinson, Kan.	Mar. 30
Apr. 24	Minneapolis, Minn.	Mar. 23
Apr. 24	Tampa, Fla.	Mar. 30
	Adv. Mar. 23 and 30.	
May 1	Fairport, N. Y.	Mar. 23

INDUSTRIAL WORK

Apr. 3	New York, N. Y.	Mar. 23
Apr. 3	New York, N. Y	Mar. 30
Apr. 15	Shenandoah, Pa.	Mar. 30
	Adv. Mar. 30.	

BUILDINGS

Apr. 3	Crown Point, Ind.	Mar. 9
Apr. 3	East St. Louis, Ill.	Mar. 16
Apr. 3	Cleveland, O.	Mar. 23
Apr. 3	Louisville, O.	Mar. 30
Apr. 3	Guelph, Ont.	Mar. 30
Apr. 4	Merrill, Wis.	Mar. 16
Apr. 4	Madison, Wis.	Mar. 16
Apr. 4	Jacksonville, Ill.	Mar. 23
Apr. 4	Charlestown, S. C.	Mar. 23
Apr. 4	Macon, Ga.	Mar. 30
Apr. 4	Lafayette, Ind.	Mar. 30
Apr. 5	Rockford, Ill.	Mar. 2
Apr. 5	Carthage, N. C.	Mar. 16
Apr. 5	Los Angeles, Cal.	Mar. 30
Apr. 5	Fulton, Mo.	Mar. 30
Apr. 5	Massillon, O.	Mar. 30
Apr. 6	Rock Island, Ill.	Mar. 30
Apr. 6	Bloomington, Ind.	Mar. 23
Apr. 7	Neenah, Wis.	Mar. 30
Apr. 8	Mayfield, O.	Mar. 23
Apr. 10	Columbia, Mo.	Mar. 16
Apr. 10	Fairmont, W. Va.	Mar. 30
Apr. 10	Watertown, N. Y.	Mar. 30
Apr. 10	North Manchester, Ind.	Mar. 30
Apr. 10	Pine City, Minn.	Mar. 30
Apr. 10	New Ulm, Minn.	Mar. 30
Apr. 11	St. Catharines, Ont.	Mar. 30
Apr. 11	Middlebourne, W. Va.	Mar. 30
Apr. 11	Medina, N. Y.	Mar. 23
Apr. 11	Hartford, Conn.	Mar. 23
Apr. 11	Kirksville, Mo.	Mar. 30
Apr. 11	Norfolk, Va.	Mar. 30
Apr. 12	San Francisco, Cal.	Mar. 30
Apr. 13	Malone, N. Y.	Mar. 30
Apr. 14	Duluth, Minn.	Mar. 23
Apr. 14	Hudson, N. Y.	Mar. 30
	Adv. Mar. 30.	
Apr. 14	Wilmington, O.	Mar. 30
Apr. 15	Newton Square, Pa.	Mar. 30
Apr. 17	Oakland, Cal.	Mar. 30
Apr. 18	Pontiac, Mich.	Mar. 30
Apr. 18	Coffeyville, Kan.	Mar. 30
Apr. 18	Brooklyn, N. Y	Mar. 30
Apr. 20	Decorah, Ia.	Mar. 30
Apr. 21	New Haven, Conn.	Mar. 23
Apr. 21	Alliance, Neb.	Mar. 23
Apr. 21	Germantown, O.	Mar. 30
Apr. 24	Darbyville, O.	Mar. 30
Apr. 25	Hartford, Conn.	Mar. 30
Apr. 25	Hornell, N. Y.	Mar. 30
Apr. 27	Centerburg, O.	Mar. 30
May 6	Hopemont, W. Va.	Mar. 23

FEDERAL GOVERNMENT WORK

Apr. 3	Galvanized Wire, etc. — Memphis, Tenn.	Mar. 16
	Adv. Mar. 16 to 30.	
Apr. 3	Machine Shop Addition — Tompkinsville, N. Y.	Mar. 23
Apr. 3	Equipment — Milwaukee, Wis.	Mar. 30
Apr. 5	Psychiatric Ward—Ft. Sam Houston, Tex.	Mar. 23
Apr. 5	Park Restoration — Pelham Bay, N. Y.	Mar. 23
Apr. 5	Roads and Walks—San Diego, Cal.	Mar. 23
Apr. 5	Garage, etc.—Point Loma, Cal.	Mar. 30
Apr. 6	Dredge Pontoons, etc.—Phila., Pa.	Mar. 16

Bids Close		See Eng. News-Record
Apr. 10	Hospital—Palo Alto, Cal.	Mar. 9
Apr. 10	Mechanical Equipment — Palo Alto, Cal.	Mar. 9
Apr. 10	Steel Hangars, etc.—Ft. Riley, Kan.	Mar. 23
Apr. 10	Radio Station — Wash., D. C. Adv. Mar. 30.	Mar. 30
Apr. 11	Steel Hull — Nashville, Tenn. Adv. Mar. 16 to 30.	Mar. 16
Apr. 11	Alterations—Boston, Mass.	Mar. 23
Apr. 12	Extension — Puget Sound, Wash.	Mar. 9
Apr. 12	Gun Shed, etc.—San Diego, Cal.	Mar. 9
Apr. 12	Equipment—Boston, Mass.	Mar. 30
Apr. 14	Boilers—Evansville, Ind.	Mar. 30
Apr. 17	Dredging — Providence, R. I. Adv. Mar. 23 and 30.	Mar. 23
Apr. 17	Barges—New York, N. Y. Adv. Mar. 30.	Mar. 30
Apr. 17	Drainage—Malta, Mont.	Mar. 30
Apr. 19	Radio Towers — Samoa, Tutuila Adv. Mar. 23 and 30.	Mar. 23
Apr. 19	Shed—New York, N. Y.	Mar. 30
Apr. 19	Refrigeration System—Mobile, Ala.	Mar. 30
Apr. 19	Heating System — Mobile, Ala.	Mar. 30
Apr. 21	Barges—Pittsburgh, Pa. Adv. Mar. 23 and 30.	Mar. 23
Apr. 24	Dredging — Wilmington, Del. Adv. Mar. 30.	Mar. 30
May 1	Bridge—Nenana, Alaska	Mar. 16

MISCELLANEOUS

Bids Close		See Eng. News-Record
Apr. 3	Excavator, etc.—Minneapolis, Minn.	Mar. 23
Apr. 3	Pipe—Buffalo, N. Y.	Mar. 30
Apr. 3	Bituminous Material — St. George, S. I., N. Y.	Mar. 30
Apr. 3	Road Oil—St. Paul, Minn.	Mar. 30
Apr. 3	Steam Ashes — Richmond Hill (Jamaica P. O.), N. Y.	Mar. 30
Apr. 4	Wharfs, etc.—Miami, Fla. Adv. Mar. 23 and 30.	Mar. 16
Apr. 5	Scrapers, etc. — St. Cloud, Minn.	Mar. 16
Apr. 5	Electric Wiring, etc.—Binghamton, N. Y. Adv. Mar. 30.	Mar. 30
Apr. 5	Road Drags—Pierre, S. D.	Mar. 30
Apr. 6	Sand—New Orleans, La.	Mar. 23
Apr. 10	Truck—Livingston, Mont.	Mar. 23
Apr. 10	Engine and Generator — Holton, Kan.	Mar. 30
Apr. 10	Light Posts — St. Paul, Minn.	Mar. 30
Apr. 10	Miscellaneous Construction, etc.—New York, N. Y.	Mar. 30
Apr. 11	Electric Gantry Cranes — Rochester, N. Y. Adv. Mar. 16 to 30.	Mar. 16
Apr. 11	Crane—Aberdeen, Wash. Adv. Mar. 30.	Mar. 30
Apr. 11	Subsurface Passageway, etc. New York, N. Y.	Mar. 30
Apr. 12	Crane—Baltimore, Md.	Mar. 30
Apr. 12	Bituminous Concrete—Trenton, N. J. Adv. Mar. 30.	Mar. 30
Apr. 12	Foundations — Lincoln, Neb. Adv. Mar. 16 to 30.	Mar. 16
Apr. 12	Steel Covers, etc. — New York, N. Y.	Mar. 30
Apr. 18	Pier—Phila., Pa. Adv. Mar. 23 and 30.	Mar. 30
Apr. 20	Water Meters — Petersburg, Ill.	Mar. 30
Apr. 27	Plumbing, Heating and Ventilating Systems — Lincoln, Neb.	Mar. 30
Apr. 29	Cable and Accessories — Melbourne, Australia Adv. Mar. 16 to 30.	Mar. 16

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Scottsville—Plans water and sewage disposal system, incl. pumping station, stand pipe, filtration plant, etc. $160,000. Engineer's name withheld.

Va., Ashland—Soon takes bids extending water system and sewer lines, repairing present waterworks, etc. $75,000. W. E. Hastings, city engr.

Va., Pennington Gap—Plans to issue $40,000 bonds to install waterworks, pump house, reservoir, etc. W. Pennington, mayor.

Ala., Birmingham—Birmingham Waterworks Co., 2114-1st Ave., voted to issue $500,000 preferred stock for extensions and betterments. G. Tyler, pres.

La., Pontchatoula — Plans to vote on bonds for waterworks and sewerage systems. Swanson-McGraw Inc., 705 United Fruit Bldg., New Orleans, engrs.

O., Salem—Plans rein.-con. reservoir, tank house, pipe lines, etc. $500,000. M. Knowles, Jones Law Bldg., Pittsburgh, Pa., engr.

Ill., La Salle—Making plans laying 4-6 in. c.i. mains. $25,000. E. Byrne, City Hall ,engr.

Que., Outremont—A. C. Duchastel, city engr., opens bids in April, water mains in Rockland, Wilder and Hartland Aves. $50,000.

Ont., Kingston—Plans 2 mi. 6 in. c.i. mains in Regent St. from Johnson to Park Sts., and Dundas St. from McDonell to Regent Sts. $25,000. W. W. Sands, clk.

Ont., Niagara-on-the-Lake — Michigan Central Ry., 15th St., Detroit, Mich., having plans prepared for 4 in. mains and new stand pipe, here. $35,000. A. Leslie, c/o Michigan Central Ry., St. Thomas, engr.

BIDS DESIRED

N. Y., Brooklyn—April 5, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Manhattan, Greenpoint, Flatbush, Ocean View, Skillman and 17th Aves., Aves. T, U, K and S, Coleman, Hendrickson, Barrett, Cleveland, Pine, West 9th, East 21st, East 28th, East 29th, East 95th, 53rd, 55th, 78th, 80th and 82nd Sts., here.

N. Y., New Hampton—April 5, by J. A. Hamilton, comr. Correction, Municipal Bldg., New York, Completing work on well driven by A. J. Connolly at New Hampton Farms, here, Orange Co. under his contract 51262, with city of New York.

N. Y., Penn Yan—Water Dept. is in market for motor driven pump. $4,000. Address C. N. Bacon, pres.

N. J., Trenton—City Comn. receiving bids for Root rotary pump for pumping station. $60,000.

Pa., Phila.—April 4, by F. H. Caven, dir. pub. wks., laying 400 tons 12 in. c.i. pipe, incl. 4,500 cu.yd. excav., $20,000; 1,400 ton 6, 8 and 12 in. c i. pipe, 25,000 cu.yd. excav., $90,000; furnishing 1,500 ton 6, 8 and 12 in. c.i. pipe and 200 ton specials. C. E. Davis, City Hall, engr.

S. C., Walhalla—See "Sewers."

In March

We published 173 tips on new waterworks construction as follows:

Proposed work 73
Bids desired 60
Bids received 10
Contracts awarded 30

Work increasing—get your share

Wis., Delavan—April 7, by K. Hollister, clk. Water Com., 30 ft. diameter open well, pumping station and ½ mi. 8 in. c.i. i. force main, 400 gal. per minute motor driven centrifugal pump, remote control. W. Pierce, Delevan, engr.

Minn., St. Paul—April 3 by H. W. Austin, city purch. agt., 15,500 bbl. portland cement, 745.5 ton c.i. pipe, 88.93 ton c.i. water specials and gate valves required by Water Dept. O. Claussen, city engr.

Neb., Wood Lake—April 5, by W. F. Peters, clk., waterworks system incl. elevated tower, pipe line, pump and wells, $20,000; also electric light system, $10,000. Prince & Nixon, 501 Peters Trust Bldg., Omaha, engrs.

S. D., Colman—April 11, improving waterworks, incl. 40,000 gal. steel tank and tower 100 ft. high. $15,000. Chenoweth & Rettinghouse, Sioux Falls, engrs.

Wash., Olympia—See "Streets and Roads."

Cal., Sonoma—April 5, one 10 hp. motor with centrifugal pump, 75 gal. per minute capacity, and 220 gal. storage tank. H. W. Gottenberg, clk.

BIDS RECEIVED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., opened bids March 22, mains in Gun Hill Rd., Brook, Jerome, Tremont and University Aves., East 143rd, East 177th, and West 177th Sts., Bronx, from Norton Eng. & Contg. Co., 510 West 149th St., $116,729, Melrose Constr. Co., 230 East 162nd St., $124,605, Beaver Eng. & Contg. Co., 51 Chambers St., $124,797; Fort Washington Ave., Boro of Manhattan, Bogart, Buhre, Cranford, Cromwell, Davidson and Dean Aves. and various other streets, Boro of Bronx, from C. Delblasio, 339 7th Ave., Mt. Vernon, $18,115; Dominick Constr. Co., $20,550, T. DiRoma, $22,288. Noted March 16.

La., New Orleans—Sewerage & Water Bd., 526 Carondelet St., for two 36-in. pumps, 30,000,000 to 40,000,000 gal. capacity, from D'Olier Centrifugal Pump & Mchy. Co., 165 Bway., New York, $9,000; Aurora Pump & Mfg. Co., Aurora, Ill., $9,648; Hoover, Owens, Rentchler Co., 4th and Heaton Sts., Hamilton, O., $9,710; 1,500-1,800 hp. boilers from Lasker Iron Wks., 3201 South Lincoln St., Chicago, $28,915; Babcock & Wilcox Co., 521 Baronne St., $32,133; Badenhausen Co., 1425 Chestnut St., Phila., $32,400; electrical equipment from Westinghouse Electric & Mfg. Co., Maison Blanche Bldg., $20,175; General Electric Co., Maison Blanche Bldg., $26,500. Noted Jan. 26.

Wis., Milwaukee—Opened bids March 18, (a) one hundred seventy five 6 in. gate valves, (b) seventy five 8 in. gate valves, (c) twenty 12 in. tapping valves, (d) thirty-five 2 in. tapping valves, (e) one hundred fifty hydrants, from Nelson Valve Co., 650 West Lake St., Chicago, (a) $12.60 each, (b) $22.64, (c) $51.05, (d) $14.36; Flower Valve Co., 3631 Parkinson St., Detroit, (a) $21.70, (b) $33.25, (c) $65.25, (d) $9.50; Kennedy Valve Co., Elmira, N. Y., (a) $21.85, (b) $34.14, (c) $65.53; R. D. Wood Co., Phila., (e) $70.25. Noted March 9.

Wash., Seattle—Constructing 14 mi. pipe line No. 3, adjunct to present water system from Molasses Creek to Volunteer Park Reservoir, from G. Smith & Co., Henry Bldg., $1,462,602. (Alternate bids also submitted by same bidder.) Noted Feb. 16.

CONTRACTS AWARDED

Conn., Putnam—Putnam Mfg. Co., repairing head gates of water power works, to Aberthaw Constr. Co., 28 School St., Boston, $15,000.

New York—Bd. Water Supply, Municipal Bldg., Park Row, Centre and Chamber Sts., New York, furnishing and delivering gate-valves, steel castings and appurtenances for steel pipes of Catskill Aqueduct, f.o.b. at designated localities in Ulster, Orange, Putnam and Westchester Counties, to Caldwell-Wilcox & Co., Newburgh, $36,170. Noted March 9.

N. Y., Newburgh—W. J. McKay, city mgr., mechanical filter plant consisting of piping, drains, equipment connections and appurtenances of head house and filter house, etc., to Mapes & Erway, Warren, O., $192,833. Noted Feb. 23.

D. C., Wash.—Washington Suburban Sanitary Comn., Evans Bldg., connecting main, Takoma Park to Chevy Chase, Contr. 25-W, to W. G. Fritz Co., Inc., West Orange, N. J., $13,814; connecting main, Takoma Park to Chevy Chase, Contr. 26-W, to Meadow & McCarthy, 2425 State St., Harrisburg, Pa., $14,983. Noted March 9.

N. C., Littleton—Constructing waterworks, to Bacon & Moore, Norfolk, Va., $40,000. Noted Dec. 8.

Ill., Kenilworth—For mains extensions in West Kenilworth, to C. M. Porter Co., 111 West Washington St., Chicago, 8,200 ft. 6 in c.i. pipe, at $1.56 per ft., 670 ft. 4 in. $1.45, etc., total $24,792.

O., Columbus—See "Streets and Roads."

Tex., El Paso—For 200 ton 6 in. c.i. pipe, 16 ft. lengths, to U. S. Cast Iron Pipe Co., 2100 St. Louis Ave., Birmingham, Ala., $6,400 f.o.b. Birmingham; 275 ton 12 in. c.i. pipe, 16 ft. lengths, to Amer. Cast Iron Pipe Co., Birmingham, Ala., $7,300; 450 ton 16 in. c.i. pipe 12 ft. lengths, to Colorado Fuel & Iron Co., Boston Bldg., Denver, Col., $16,325, f.o.b. Minnequa. Noted March 16.

Sewers

PROPOSED WORK

N. Y., Blasdell—Bd. Trade plans disposal plant. Cost to exceed $30,000.

N. Y., Jamestown—Plans 4,060 ft. 8-15 in. sanitary tile sewers in Summit, English, Camp, Sampson, Parkview, Wildwood, Todd and Fullerton Sts. E. C. Dollard, city engr.

N. Y., Scottsville—See "Waterworks."

N. J., Hillside—Plans sewerage system. A. Potter, 50 Church St., New York, engr.

Pa., Phila.—Soon opens bids for 60 x 100 ft. concrete, brick and steel pumping station. J. A. Vogelson, City Hall, engr.

Va., Ashland—See "Waterworks."

Fla., Hastings—Having plans prepared

Sewers (Continued)

for sewerage system. J. H. Randolph, Palatka, engr.

La., Pontchatoula—See "Waterworks."

Mich., Detroit—Plans 1,191 ft. Clark Ave. Sewer, Sect. 1, in Summit Ave. from Jefferson Ave. through Riverside Park to Harbor Line, 7 ft. 6 in. x 8 ft. 8 in., 4 ft. 6 in. cylinder connections, rein.-con. and brick; Martin Ave. Sewer in Martin Ave. from Pittsburgh Ave. to point 1,257 ft. north, rein.-con., vitr. segment block, brick or monolithic concrete, 4 ft. cylinder. C. W. Hubbell, city engr.

Mich., Kalamazoo—Having plans prepared for sewers in Dunkley, Birdick, Millview, Stockholm, Fair, DeWitt and Egglestou Sts., 10,000 ft. 18, 20, 24, 30 and 54 in. pipe. $140,000 bond issue approved. E. S. Clark, city engr.

Ill., Dixon—Making plans 10-14 in. vitr. tile sewers in various streets. $27,000. T. W. Clayton, City Hall, engr.

Cal., Burlingame—See "Streets and Roads."

Que., Outremont—A. C. Duchastel, city engr., opens bids in April, brick sewers in Lagoie and Cambrai Aves. $25,000.

Que., Sherbrooke—See "Streets & Roads"

BIDS DESIRED

N. J., Madison—April 10, by Sewer Com., 2 Green Village Rd., 1 sewer cleaning machine, complete. J. H. Talmadge, boro clk.; adv. this issue.

N. J., Palmyra—April 4, by Bd. Freeholders sewage disposal plant. $25,000. Remington & Vosbury, 6th and Market Sts., Camden, engrs.

N. J., Paterson—April 18, by Passaic Valley Sewerage Comrs., 128 Market St., sewer connections in 2nd, 3rd and 20th Aves., East 33rd and Market Sts., here. J. R. Van Duyne, ch. engr.

Va., Norfolk—W. H. Taylor, dir. Pub. Wks. taking bids 5,500 lin.ft. 24-57 in. rein.-con. sewer pipe, 6-8 ft. cover. D. A. Decker, city engr.

S. C., Walhalla—April 14, by Bd. Comrs., sewerage and waterworks system. $110,000. Ryan Eng. Co., 20 Arcade Bldg., Columbia, engrs. Noted Mar. 2.

Ga., Atlanta—April 3, by J. N. Landers, city purch. agt., 2,450 ft. trunk sewer in Highland Ave. from Station 38-60 to Station 63-10, and Ponce de Leon and Angier Ave. connecting sewers, 3,350 lin.ft. 5-9 in. concrete sewer in place, 300 lin.ft. 5 in. rein.-con. sewer in place, 10,000 brick laid in manholes, catch basins, walls, etc., 50 cu.yd. plain concrete in walls, footings, 19,700 cu.yd. earth trenching and 500 cu.yd. rock. H. L. Collier, City Hall, engr.

O., Cleveland—April 6, vitr. and segmental block sewers in Arabella Rd., N.E., from Roseland Rd. N.E., to Euclid Ave. N.E., Barrington Ave. N. E., from East 128th St. to point 150 ft. east of Paxton Rd. N.E., Darley Ave. N.E., from East 140th to East 146th Sts., Dillewood Rd. N.E., from Nottingham Rd. N.E., to northerly end of Dillewood sub-division, Jenne Ave. N.E., from East 140th to East 146th Sts., Wayside Rd. N. E., from London Rd. N. E., to Roseland Rd. N. E., Whitcomb Rd. N. E. from Kipling Ave. N. E. to St. Clair Ave. N. E., East 128th St. from Barrington Ave. N. E. to Irvington Ave. N. E., East 134th St. from Coit Rd. N. E., to St. Clair Ave. N. E., East 147th St. from Westropp Ave. N. E. to Lakeshore Blvd. N. E. $75,000. R. Hoffman, City Hall, engr.

O., Warren—April 13, by Comrs. Trumbull Co., 7 mi. 6-24 in. vitr. sewer in Brookfield Sanitary Sewer Dist. 1, 9,000 cu.yd. rock excav., etc. $130,000. C. R. Bricker, Warren Co., sanitary engr.

Mich., Ann Arbor—See "Streets and Roads."

Cal., Dinuba—April 14, sewage disposal plant, 24 in. vitr. pipe, ejector pit and necessary equipment. $103,400. C. E. Sloan, Santa Fe Bldg., San Francisco, engr.

Wyo., Casper—See "Streets and Roads"

BIDS RECEIVED

N. J., Plainfield—Common Council, City Hall, opened bids March 20, 5,600 lin.ft. 18-48 in. storm sewers, from J. A. De Stefano, South River, $31,427; J. Miele, East Orange, $33,870; Amer. Utilities Constr. Co., Newark, $34,123. Noted March 2.

O., Cincinnati—Opened bids March 21 for Millcreek Interceptor, Contr. 7, 12,145 ft. 8-57 in. concrete or rein.-con. pipe, 2,000 lb. steel and 8,000 sq.ft. cement sidewalk, etc., from Runck Bros. Constr. Co., 1114 First Natl. Bank Bldg., $265,625; J. B. McClain, Covington, Ky., $271,000; C. E. Cannell, Madison Rd. and Oakley Ave., $272,480.

Mich., Detroit—For (1) Clark Ave. Sewer, Sect. 1, (2) Moran Ave. Sewer, Arm of McDougall Ave. Sewer, (3) Selden Ave. Arm of 3rd St. Sewer, (4) Norfolk Ave. Arm of Livernois Ave. Sewer, (5) Pembroke Ave. Arm of Livernois Ave. Sewer, (6) Coon Ave. Arm E. of Wyoming Ave. Sewer, (7) Midland Ave. Arm of Livernois and Linwood Ave. Sewers, (8) Martin Ave. Sewer extension, from G. R. Cooke, 1260 Penobscot Bldg., (1) $108,760; Cass-Thurston Co., 13851 Van Dyke Ave., (1) $113,761, (8) $12,614; J. F. Baer, (1) $109,823; J. Wagner, 2735 West Grand Blvd., (2) $40,133, (3) $13,500, (6) $17,643; J. Porath, 34 McGraw Bldg., (2) $43,087, (4) $14,917, (6) $18,107, (7) $29,268, (8) $13,084; Detroit Drainage Constr. Co., 400 Penobscot Bldg., (2) $37,736; A. Rossi, 3447 St. Aubin Ave., (3) $11,944; Maciejewski & Co., (3) $13,486; R. D. Baker, 1631 Elmhurst Ave., (4) $14,530, (5) $21,156, (7) $27,749; Langley & Barton, 1604 Pennsylvania Ave., (4) $14,256, (5) $21,018, (7) $22,613, (8) $14,047; J. Winterbottom, (5) $20,744; F. W. Watts, (6) $17,470. Noted March 16.

Wis., Milwaukee — Sewerage Comn. opened bid March 17. 95,000 bbl. portland cement for use in connection with tanks on Jones Island, from Schneider Fuel & Supply Co., 29th St. and Forest Home Ave., $2.60 per bbl. allow $0.10 per bbl. if cash in 10 days. Noted Feb. 23.

In March

We published 162 tips on new sewer construction as follows:

Proposed work	65
Bids desired	42
Bids received	16
Contracts awarded	39

Did you hunt down any of these?

Col., Englewood—Opened bids March 13, 8-18 in. vitr. clay pipe (1) Trunk Line Sewer Dist. 1, serving 8,500 lots, (2) Lateral Line Sewer Dist. 1, from D. S. Reid Constr. Co., Littleton, (1) $87,632. J. V. Stryker, 1507 Blake St., Denver, (1) $87,825, (2) $33,510; Collier & Sprague, Denver, (1) $92,680, (2) $27,436; Gordon Constr. Co., Barclay Bldg., Denver, $32,040. Noted March 2.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, remodeling sewer outfalls, Sect. 2-B of Biological Plant, 26th Ward Disposal Works, between Wortman Ave. and Jamaica Bay and between Miller and Schenck Aves., to A. M. Hazell, Inc., 26 Cortlandt St., New York, $96,121. Noted March 16.

N. Y., Rochester—For 8,000 ft. of 6-7 ft. concrete invert relief tunnel from Railroad to Main Sts., Main to Goodman Sts., Goodman to Webster Sts. and Webster to Bay Sts., with 800 ft. segmental block, to J. Petrossi Co., 401 Elwood Bldg., $250,956.

Pa., Phila.—For sewer in Comly and Howell Sts., to A. Di Sandro & Sons, 3906 North 5th St., $3,830; 21st St., to E. Leva, 3851 North 10th St., $22,850, 66th Ave. N., to D. Peoples, 742 East Penn St., $27,991; 52nd and Diamond Sts., to F. Joffola, 1203 Tree St., $8,942; Montgomery and Lebanon Aves., to F. T. Buckins, 4050 Kensington Ave., $6,218 and $9,050 respectively. Noted March 16.

D. C., Wash.—Washington Suburban Sanitary Comn., Evans Bldg., New York Ave., Little Falls Branch Trunk Sewer, Contr. 18-S, to M. O'Herron Co., 1st and McKean Sts., Pittsburgh, Pa. $26,226. Noted March 9.

Va., Richmond—For 2,650 lin.ft. T. C. sanitary sewer in Baker and 17th Sts., to A. W. Maynard, Amer. Natl. Bank Bldg., $7,000; 908 lin.ft. segment block, 1,120 lin. ft. T. C. pipe in Upper Shockoe Creek and 23,000 lin.ft. T. C. sanitary sewer in Providence Park, to Kelly & McLane, 800 West Gary St., $15,300 and $39,500 respectively; 1,900 lin.ft. segment block in Hull St., to Van Doren & Bass, 811 East Franklin St., $18,800; 25,000 lin.ft. T. C. sanitary sewer in Oak Grove and 2,800 lin. ft. in Marx Addition, to C. M. Henley, 23 South Beech St., $42,000 and $5,500 respectively; 775 lin.ft. T. C. sanitary sewer in Perry St., to Wingo & Deaner, P. O. Box 816, $4,020; 5,000 lin.ft. segment block and 11,300 lin.ft. T. C. pipe in Highland Park, to A. H. Guion & Co., Gastonia, N. C., $65,300. Noted Feb. 9.

O., Cleveland—Sewers in Lardet Ave. and East 111th St., to A. Hosine, 635 Bradley Court, $9,279; East 51st St. and Miles Ave., to S. Amato, 345 The Arcade, $16,387; Amesbury Ave., W. McDowell & Son, 10309 Miles Ave., $6,541. Noted March 23.

O., Lakewood (Cleveland P. O.)—Sewer and water mains in Berea Rd., to Joseph and Kalill, 502 Huron Sq. Bldg., Cleveland, $52,249. Noted March 23.

O., West Park—Sewers in West 140th St., to T. P. Eagan, Caxton Bldg., Cleveland, $17,300; West 143rd St., to N. Iafarnaro, 2055 Murray Hill Rd., Cleveland, $17,285. Noted March 23.

Mich., Detroit—To J. Connelly, 610 Lincoln Bldg., Grand River Ave. Arm W. of Wyoming Ave. Sewer, $34,567, Fenkell Ave. Arm of Wyoming Ave. Sewer, $37,705; J. Wagner, 2735 West Grand Blvd., Van Dyke Ave. Arm of Six Mile Rd. Sewer, $22,283; W. Blanck & Co., 827 Ford Bldg., Theodore St. Arm of Jos. Campau Ave. sewer, $79,714; R. D. Baker, 1631 Elmhurst Ave., Conant Ave. Arm of Six Mile Rd. Sewer, $54,529, Fenkell Ave. Arm W. of Livernois Ave. Sewer, $22,270. Noted March 9.

Mich., Detroit—To C. R. Lennane Co., 2631 Woodward Ave., building Lateral Sewer 3479, $10,677, Lateral 3480, $13,328, Lateral 3489, $5,615, Lateral 3490, $6,316, Lateral 3491, $5,443, Lateral 3492, $3,825; Dept. Pub. Wks., City Hall, Lateral 3588, $4,000; J. Zuccola, c/o Dept. Pub. Wks., City Hall, Lateral 3592, $10,878; Otis Cement Constr. Co., 806 Hammond Bldg., Lateral 3594, $674; Liberty Constr. Co., 917 Detroit Savings Bank Bldg., Lateral 3596, $9,970, Lateral 3598, $8,440; Western Constr. Co., 1208 Ford Bldg., Lateral 3599, $3,742.

Ill., Kenilworth — For sanitary sewer extension in West Kenilworth, to C. M. Porter Co., 111 West Washington St., Chicago, 5,380 ft. 10 in. pipe, $1,17 per ft., 1,920 ft. 12 in. $1.48, 1,060 ft. 15 in. 17 ft. depth, $3.06, 14 ft. depth $2.56, etc., total $21,462. Noted Sept. 15.

Waste Disposal

PROPOSED WORK

N. Y., Harrison—Plans garbage incinerator, brick and concrete. A. Potter, 50 Church St., New York, engr.

Bridges

PROPOSED WORK

N. Y., Cayuga—New York Central R.R., Grand Central Terminal, New York, soon takes bids 114 ft. steel and concrete bridge, over barge canal, here. $40,000. H. T. Welty, Grand Central Terminal, New York, engr.

North Carolina — State Hy. Comn., Raleigh, plans concrete bridge with steel draw span over Roanoke River, 6 mi. east of Scotland Neck, State Project 138 B, Northampton and Halifax Counties, $200,000; concrete bridge probably steel draw span over Cape Fear River at Elizabethtown, State Project 302, Bladen Co., $150,000. C. M. Upham, state highway engr.

Fla., Ft. Pierce—C. G. Traub having plans prepared 1.5 mi. wooden bridge over Indian River. Cost between $50,000 and $60,000. M. Hallowes, c/o owner, engr.

Fla., Tampa—See "Streets and Roads."

O., Cleveland—Comrs. Cuyahoga Co. had plans prepared 1,500 ft. concrete bridge, 80 ft., on West 73rd St. and Ridge Rd. $373,000. F. J. Lander, Court House, engr.

O., Moraine (Dayton P. O.)—Montgomery Co. (Dayton) plans three 200 ft. span 600 ft. steel highway truss bridge, three 200 ft. spans, over Miami River, here. $125,000. P. S. Bookwalter, Dayton, surv.

Minn., Pine City—See "Streets and Roads."

Wash., Newport—Interstate Toll Bridge Co., c/o P. Young, pres., Priest River, Idaho, soon receives bids 1,250 ft. steel toll bridge, concrete piers, over Pend O'Reille, near here. $250,000. Union Bridge Co., Central Bldg., Seattle, engrs. Noted Oct. 20.

Cal., Santa Rosa—Sonoma Co. having plans prepared 5 rein.-con. bridges (all in neighborhood 60 ft. long), on highway between Sebastopol and Shellville, also 1 on Sebastopol-Cottati Highway, Sect. D, and 2 on Sebastopol-Freestone Highway. R. P. Smith, co. engr.

BIDS DESIRED

Alabama—April 11, by State Hy. Comn., Montgomery, 210 ft. rein.con. bridge with approaches to replace old steel bridge, over Cahaba River, 14 mi. south of Birmingham, Jefferson Co. $75,000. J. Maher, Birmingham, engr.

Bridges (Continued)

Miss., Vicksburg — April 4, at office Chancery Clerk, Warren Co., two 200 ft. creosoted timber trestle bridges on link of Mississippi Scenic Highway known as South Scenic Highway. H. R. Rhodes, highway engr.

O., Kenmore—April 5, by Summit Co., (Akron) 535 ft. steel and rein.-con. bridge, here. J. H. Weaver, Akron, co. engr. Watson Eng. Co., 4614 Prospect St., Cleveland, engrs. Noted March 9.

Indiana—April 4 by J. E. Lyons, dir. State Hy. Comn., Indianapolis, one 30 ft. and four 28 ft. rein.-con. girder bridges, Spencer Co.; 68 ft., 31 ft., 60 ft., 55 ft., and 84 ft. steel truss bridges in Dubois, Noble, Knox, Grant and Switzerland Counties, 20 ft., 35 ft. and two 50 ft., rein.-con. arch bridges in Porter, Ripley, Dearborn and Franklin Counties; two 8 ft. rein.-con. box culverts, Knox Co.; one 12 ft. and two 18 ft. rein.-con. slab bridges, Jennings and Switzerland Counties.

Ill., Highland Park (Joliet P. O.)—May 12, by Bd. Local Impvts., 170 ft. steel truss bridge, concrete piers and abutments, 30 ft. roadway, two 5 ft. sidewalks, on Sheridan Rd. $100,000. J. L. Fyfe, 109 North Dearborn St., Chicago, engr. Noted March 16.

Wisconsin—April 4, by State Hy. Comn. at div. office 8, First Natl. Bank Bldg., Superior, Red Cedar Bridge, three 45 ft., rein.-con., spans, on Chetck-Barron Rd., Federal Aid Project 264, Barron Co. A. R. Hirst, highway engr.

Minn., Mora—April 4 by Kanabec Co., State Bridge 3025, between Kanabec and Pine Counties, two 20 ft. rein.-con. slab spans on rein.-con. abutments and pier, 18 ft. roadway; Bridge 3733, in village of Mora, two 100 ft. truss spans on rein.-con. abutments and pier, 20 ft. roadway, abutments 21 ft. high. $25,000. A. V. Sander, aud. State Hy. Dept., St. Paul, engrs.

In March

We published 130 tips on new bridge construction as follows:

Proposed work	38
Bids desired	61
Bids received	11
Contracts awarded	20

Watch these columns.

Tex., Galveston—April 17, E. B. Holman judge Galveston Co. 293 ft. rein.-con. trestle bridge over Dickinson Bayou on State Highway 2, thirteen 20 ft. concrete deck girder spans and one 30 ft. center span, 25 ft. roadway. $32,000. C. C. Washington, co.

BIDS RECEIVED

Alabama—State Hy. Dept., Montgomery, constructing 2 concrete bridges, total length 520 ft., 18 ft. roadways, near Judkins Ferry Bridge, Elmore Co., from R. T. Dawkins, Jacksonville, Fla., $30,109; Estes, Williams, Ragsdale Co., Scim Bldg., Memphis, Tenn., $30,977; Stripling, Stoddy & Newell, Corinth, Miss., $31,144.

Wis., Kenosha—Opened bids March 20, (a) concrete abutments and approaches, (b) lowering water main, on Main St., from McGucken Constr. Co., 425 East Water St., Milwaukee, (a) $47,500, (b) $10,500; Greiling Bros. Co., East Walnut St., Green Bay, (a) $54,600, (b) $10,000; E. E. Gillen Co., 12 Wisconsin St., Milwaukee, (a) $55,700, (b) $10,800. Noted March 16.

Tex., Coleman—Coleman Co. two 15-26½ ft. rein.-con. deck girder bridges, one 20-26½ ft. rein.-con. deck girder bridge, one bridge with 150 ft. steel span truss with two 33 ft. rein.-con. deck girder approaches, one 5-18 ft. concrete slab bridge and numerous smaller rein.-con. and steel bridges and culverts, 16 ft. roadways, on State Highway 23, from Burks & Hart, Comanche, $157,427; McCall-Moore Eng. Co., 308 Amicable Bldg., Waco, $166,575; Kuykendall & Shelton, Temple, $168,646.

CONTRACT AWARDED

North Carolina—State Hy. Dept., Raleigh, constructing rein.-con. bridges and culverts on Project 951, Jackson Co., to W. T. Moore Concrete Products Co., Andrews, $37,600. Noted March 23.

O., Berea—Cuyahoga Co. (Cleveland), concrete arch, over Bridge Rd., here, 670 cu.yd. concrete and 54,500 lb. steel, to Nelson & Kelly, 3391 West 126th St., Cleveland, $23,096. Noted March 9.

Ia., Nevada—Auditor Story Co., for primary bridge and culverts Project 133, to B. Cole, Ames, $25,607.

Dams

PROPOSED WORK

Que., Quebec — Provincial Government, Parliament Bldgs., plans dams to conserve water and regulate flow of River Ouareau in Laurentian Mountains, beyond St. Agathe. E. Vallee, ch. egr.

BIDS DESIRED

Neb., Culbertson—April 25, by Bd. Dirs. Frenchman Valley Irrigation Dist., constructing Harvey Dam and reservoir. F. A. Miller, pres.; adv. this issue. Noted March 2 under Imperial.

Railways

PROPOSED WORK

North Carolina — Alexander Granite & Land Co., Hiddenite, plans 4 mi. line from Hiddenite to Rocky Face Mountain. $80,000. J. M. Deaton, pres. Fifteen mile extension to Wilkesboro is also being considered.

Wisconsin—Eastern Wisconsin Electric Co., 8th and Penn Ave., Sheboygan, having plans prepared extending tracks on Utica Ave. and other streets, also power line to extend to 12th St. $75,000. Private plans.

Ohio—Cleveland Ry. Co., Hanna Bldg., Cleveland, plans renewing street car tracks on 2,573 ft. Abbey Rd., 726 ft. Bway., 3,572 ft. Clark Ave., 4,740 ft. Denison Ave., 1,607 ft. East 14th St., 2,655 ft. East 55th St., 1,778 ft. East 105th St., 1,647 ft. Harvard Ave., 1,663 ft. Independence Rd., 2,083 ft. Kinsman Rd., 475 ft. Lake Ave., 3,061 ft. Lansing Ave., 2,869 ft. Ontario St., 3,420 ft. Perkins Ave., 2,944 ft. Prospect Ave., 19,392 ft. Quincy Ave., 754 ft. West 65th St., 2,436 ft. West 73rd St., 3 350 ft. Bridge Ave. from West 25th St. to Fulton Rd., 4,976 ft. Bridge Ave. from West 47th to West 65th Sts., 14,536 ft. Central Ave. from East 14th to East 55th Sts., 11,846 ft. Central Ave. from East 55th to East 83rd Sts., 918 ft. Detroit Ave. from Berea Rd. to point 600 ft. west of New York Central R.R. Bridge, 13, 148 ft. Detroit Ave. from West 117th St. to Manor Park, 3,947 ft. Detroit Ave. from Manor Park to Cook Ave., 1,094 ft. Detroit Ave. from Andrews to Mars Aves., 8,783 ft. Detroit Ave. from Cranford to Riverside Aves., 3,025 ft. Detroit Ave. from Mars to Cranford Aves., 5,103 ft. Fulton Rd. from south end of viaduct to Trent Ave., 3,738 ft. Fulton Rd. from Storer Ave. to West 41st St., 620 ft. public right of way from West 6th to West 9th Sts., 1,191 ft. West 25th St. from Franklin to Bridge Aves., 1,294 ft. West 25th St. from Bridge to Lorain Aves., 7,709 ft. Woodland Ave. from Woodhill Rd. to East 116th St., 7,343 ft. Woodland Ave. from Buckeye to Woodhill Rds. $2,500,000. G. Radcliffe, ch. engr.

Kansas—Atchison, Topeka & Santa Fe R.R., 179 West Jackson Blvd., Chicago, plans branch line, standard gauge, 55 mi. west of Santanta, connecting with Santa Fe Rys. "Dodge City & Elkhart Branch" at Santanta. $1,400,000. C. F. W. Felt, ch. engr.

Arizona—Atchison, Topeka & Santa Fe, Railway Exch., Chicago, plans 75 mi. second track, standard gage, from Yampai to Griffith. $6,662,298. C. F. Felt, ch. engr.

Quebec—Montreal Tramway Co., Craig St. W., Montreal, plans double track street railway line from Guy St. to Queen Mary Rd., Montreal. $92,000. G. Graves, Craig St. W., Montreal, engr.

Excavation and Dredging

PROPOSED WORK

Fla., Melbourne—Melbourne-Tillman D. D. having plans prepared and will vote on bonds for draining main and lateral canals, 50,000 acres of land. E. H. Every, secy. G. B. Hills, engr.

Cal., Selma—Consolidated Irrigation Dist. proposes authorization of $850,000 bond issue for acquisition of canal system of Consolidated Canal Co. and addition of certain structures. W. L. Huber, First Natl. Bank Bldg., San Francisco, engr.

BIDS DESIRED

N. Y., Brooklyn—April 5, by E. Riegelmann, boro pres., Boro Hall, dredging outfall drainage canal, Sect. 2A of Biological Plant, 26th Ward Disposal Works, between Fairfield Ave. and Jamaica Bay and between Miller and Schenck Aves. Former bids rejected. Noted March 16 under "Sewers."

Wis., Racine—April 7, by Hoods Creek D. D., Court House, 76,532 ft. 8-24 in. tile, 2 manholes and 7 bulkheads. S. B. Walker, comr.

Ia., Clarinda—April 5, by Auditor Page Co., new channel for Middle Tarkio River, D.D. 20, 347,513 cu.yd. excav. $35,000. A. S. Van Sandt, Clarinda, engr.

Minn., Ada.—April 6, by Norman Co., Ditch 45, 58,508 cu.yd. excav., etc. J. A. Erickson, Ada, engr. Repair work on Ditches, 11, 18 and 38, 82,186 cu.yd. excav., 2.5 mi. road leveling, 5.5 mi. bank leveling. S. Steenerson, Crookston, engr. $25,000.

CONTRACT AWARDED

Ia., Primghar — O'Brien Co., building D. D. 11, 4,020 ft. open ditch, 41,500 ft. 7-36 in. tile, 6,600 cu.yd. excav., to R. C. Hart & Co., Spencer, $26,435. Noted March 9.

Minn., Elk River—Sherburne Co., Ditch 29, open work to K. C. Richardson, 460 Park St., Anoka, $17,519; tile to Elk River Concrete Products Co., Elk River, $11,190. Noted Feb. 9.

Streets and Roads

PROPOSED WORK

N. Y., Albion—Orleans Co. soon takes bids paving 2.36 mi. Albion-Eagle Harbor Rd., $30,000; 2.6 mi. Knowlesville-Ridge Rd., $38,000, both concrete. H. D. Waldo, co. supt.

N. Y., Dansville—Voted $60,000 bonds to pave Lackawanna Hill Rd. Address J. Stiegler, pres.

N. Y., Holley—Orleans Co. plans paving 2.5 mi. Kendall-Morton Rd., 16 ft., concrete. $36,000.

N. Y., La Salle—Plans paving River Rd. $45,000.

N. Y., Medina—Voted $38,000 bonds to pave West Ave. Address C. H. Pettis, pres.

N. Y., Penn Yan—Voted $27,000 to pave Liberty St. Address C. N. Bacon, Penn Yan.

N. Y., Seneca Falls—Voted $43,000 bonds to pave various streets. S. S. Gould, pres.

N. Y., Tonawanda—Plans paving 6,400 ft. Fletcher Ave. and 900 ft. Elm St., brick on concrete. $112,000. T. Barnally, Tonawanda, engr.

N. J., Egg Harbor—Opens bids in spring curbing, paving, etc. various streets. $40,000. Remington & Vosbury, 6th and Market Sts., Camden, engrs.

N. J., Salem—Bd. Freeholders Salem Co. plans paving 5 mi. Salem-Woodstown Rd. and 2 mi. Penns Neck-Harrisonville Rd., asphalt. H. B. Keasbey, Salem, engr.

Pa., Edinboro—Twp. and Erie Co. plan 2.25 mi. concrete road. State to make surveys. J. Moorehead, co. comr.

Pa., Franklin—Having plans prepared resurfacing 700 ft. Liberty St., asphalt or tarvia, also 5,800 sq.yd. Grant St. $32,000. J. McSnow, city engr.

North Carolina—State Hy. Dept., Raleigh, plans grading, surfacing and bridging 8.2 mi. road from Yorks Store to Catawba Co. line, State Project 815, Burke Co., $40,000, 8.1 mi. from Morganton to Caldwell Co. line, State Project 814, Burke Co., $25,000, 10 mi. from Scotts Hill toward Jacksonville, State Project 379, Pender Co., $60,000; grading and concrete or asphaltic paving 2 mi. between Wilkesboro and Mulberry Gap, State Project 785, Wilkes Co., $58,000; grading, bridging and topsoiling 5.3 mi. from Moravian Galls to Alexander Co. line, State Project 784, Wilkes Co., $25,000, 10 mi. from near Castle Hayne to Long Creek, State Project 318, Pender Co., $50,000; grading and surfacing 4.3 mi. between Shelby and Morganton on Route 18, State Project 623, Lincoln and Catawba Counties, $25,000; clearing, grading, bridging and concrete or asphaltic paving, 17.6 mi. from Reidsville to Virginia State Line, State Project 593, Rockingham and Caswell Counties, $500,000; clearing, grading, surfacing and bridging 15.2 mi. from Craven Co. line to Beaufort, State Project 201, Carteret Co., $75,000; grading, bridging and asphaltic or concrete paving 9.87 mi. from Hillsboro to Alamance Co. line, State Project 460, Orange Co., $300,000. C. M. Upham, state highway engr.

North Carolina — State Hy. Dept., Raleigh, plans grading and concrete or asphaltic paving 3 mi. road from end of Project 710 in Jefferson towards Wilkesboro, State Project 713, Ashe Co., $90,000; clearing, grading, bridging and concrete or asphaltic paving 12 mi. from Maxton to Atlantic Coast Line R.R. near Pembroke, State Project 386, Robeson Co., $270,000; grading, surfacing and bridging 7 mi. from

Streets and Roads (Continued)
Hot Springs to Federal Aid Project 107, State Project 972, Madison Co., $35,000. C. M. Upham, state highway engr.

North Carolina—State Hy. Comn., Raleigh, rejected bids opened March 15, grading, bridging and concrete or asphaltic paving 7.1 mi. State Project 647, Lincoln Co. Work will probably be readvertised. Noted Mar. 23.

N. C., Hendersonville — Henderson Co. plans grading and building bridges and culverts, preparatory to hard surfacing 9 mi. road from Hendersonville to Buncombe Co. line. $40,000. W. P. Bane, chn.

Ga., Atlanta—Had plans prepared paving 2,631 ft. Marietta St. from Bartow St. to Jones Ave., 13,200 sq.yd. concrete. $48,787. H. L. Collier, City Hall, engr.

Ga., Lyons—Toombs Co. plans 16 mi. road from Montgomery Co. line to Tatnall Co. line State Project 262. $100,000. W. R. Neel, State Highway Dept., Atlanta, engr.

Ga., Valdosta—Lowndes Co. plans to build National Highway from here south toward Florida line to connect with Florida Highway. $60,000.

Fla., Brooksville—Hernando Co. to vote on $75,000 bonds paving with clay or other suitable material 10 mi. roads in district centering at Croom.

Fla., Delray—Having plans prepared paving 9 mi. streets, rock, oil surface. $90,000. G. L. Young, Delray, engr.

Fla., Tampa—Hillsborough Co. having plans prepared paving 6.65 mi. Midway Rd., $150,000; 6.06 mi. Lake Magdalene Rd., $150,000; 10.74 mi. on Interbay Peninsula, $250,000; 15.13 mi. Citrus Park Rd. $200,000; 2.02 mi. Waters Ave., $50,000; 3.56 mi. Armenia Ave., $80,000; 7.5 mi. West Tampa Blvd.; 11.16 mi. Lithia Rd., $150,000; 14.74 mi. Hopewell-Tampa Rd., $300,000; 6.75 mi. Sulphur Springs-Harney Rd., $150,000; 17.11 mi. Plant City-Picnic Rd., $250,000; 4.78 mi. Seffner-Lake Thonotossasa Rd., $125,000; 10.91 mi. Plant City-Thonotossasa Rd., $20,000; 2.35 mi. Wimanma Rd., $53,000; 28.02 mi. Bayshore Route, $500,000. Alternate proposals for paving will be received on all of foregoing. Brick paving 12.23 mi. Riverview Rd., $300,000; paving 4 mi. from Tampa to Ballast Point, $160,000. J. J. Heddrick, Jr., Tampa, engr.

Fla., West Palm Beach—Comrs. Palm Beach Co., rejected bids opened Mar. 11, constructing 20 mi. road along south bank of Palm Beach Canal; 3 mi. road from Canal Point to Pahokee; road from Belle Glade to Lee Co.; 9½ mi. road from Belle Glade to Pahokee. R. F. Goodman, West Palm Beach, engr. Noted Mar. 16.

Fla., West Palm Beach — Palm Beach Co. soon takes bids resurfacing with rock and oiling 5½ mi. road from Jupiter to Ocean Beach, Loxahatchee Riverdrive, $35,000; paving with rock 8 mi. from St. Lucie Canal to Lake Okeechobee and south to Dist. 11 line, $35,000. R. F. Goodman, West Palm Beach, engr.

Ala., Birmingham—Soon receives bids grading, curbing and paving 1 mi. 2nd Ave., 14th St. to 4th Pl., asphalt on concrete, $73,575; paving, curbing and laying sidewalks, 1 mi. 8th Ave. W, asphalt on concrete, $44,575. A. F. Hawkins, Birmingham, engr.

Tennessee—State Hy. Dept., Nashville, takes bids about April 15, surfacing 14.5 mi. road from Gallatin to Davidson Co. line, Federal Aid Project 63, Sumner Co., 12.2 mi. road from McMinnville to Cannon Co. line, Federal Aid Project 65, Warren Co., both 18 ft. bituminous macadam. D. Q. McComb, State Highway Dept., engr.

Tennessee—State Hy. Dept., Nashville, takes bids about April 30, grading and surfacing 7½ mi. Federal Aid Highway 49, from Woodbury to Rutherford Co. line, Cannon Co., 18 ft. $200,000. D. Q. McComb, ch. engr.

Ky., Pikeville—Rejected bids opened Feb. 7, vitr. brick paving on 6 in. concrete, curbing and guttering, Riverview Dr., Cline, Steele, Sycamore, 2nd, 3rd, 4th, 5th and 6th Sts., Myra-Barnes and Scott Aves. J. M. Hatcher, clk. Noted Jan. 5.

O., Cleveland—Plans widening, curbing and paving Euclid Ave. east of Ivanhoe Rd. $150,000. R. Hoffman, City Hall, engr.

O., Dayton—Plans paving Grafton Ave. from Homewood to Delaware Aves., $21,201; Delaware Ave. from Main to Grafton Aves., $10,117, concrete, brick or asphalt on concrete. I. E. Houk, city engr.

O., Reading—Making plans and opens bids about May 1 paving ½ mi. Benson St. from Millcreek to Reading Rd., 3,000 sq. yd. concrete. $30,000. H. Coates, Court House, Cincinnati, engr.

Mich., Detroit—Plans paving with 3 in. asphalt on 6 in. concrete, Omira Ave. from Six Mile Rd. to Nevada Ave., $36,250; Cicotte Ave. from Horatio to Barlum Sts., $54,940. Horatio St. from 32nd to Wesson Sts., $21,060, Parkwood Ave. from Martin to Central Aves., $36,930. Cortland Ave. from Wabash to La Salle Sts., $15,730, Arizona Ave. from John R. to Brush Sts., $17,085, Lakewood Ave. from Charlevoix to Mack Aves., $25,680; following alleys with one course concrete, alley between 17th, 16th, Linder and Poplar Sts., $2,795, east and west alley between Holmur, Dexter, Euclid and Philadelphia Aves., $2,135 alley between Cadillac Hurlburt, Sylvester and Canfield Aves., $4,360, alley parallel with West Grand Blvd. from Linwood to Stanton Aves., $1,725, alley parallel with Ferry Park Ave. from Linwood to Stanton Aves., $1,380, east and west alley between Ellery, Mt. Elliott, Hancock and Warren Aves., $2,620, alley between Hamilton, 3rd, Webb Ave., and Highland Park, $1,975, east and west alley between 6th, 5th, Michigan and Beech Aves., $910, alley between La Salle, 14th, Edison and Longfellow Aves., $3,470, alley between Cadillac, Hurlbut, Charlevoix and Goethe Aves., $4,480. J. Reid, City Hall, engr.

Mich., Muskegon — Plans grading, shaping and surfacing 2.05 mi. Assessment Dist. Rd. 5, 100 cu.yd. concrete, 19,250 sq. yd. waterbound or bituminous macadam. $30,000. L. C. Hanley, Muskegon, engr.

Ill., Alton—Making plans paving various streets, concrete and asphalt on concrete. $321,000. J. S. Crockett, City Hall, engr.

Ill., Sterling—Making plans paving various streets, vitr. brick on concrete. $40,000. A. G. Hubbard, City Hall, engr.

Ill., Rantoul—Soon takes bids concrete paving various streets. $95,000. A. N. Donley, City Hall, Urbana, engr.

Wis.—Wisconsin-Rapids-Wood Co. rejected bids received on Sect. C of Grand Rapids-Pittsville-Neillsville Rd., Project 251. Work will be readvertised.

Minnesota—State Hy. Dept. canceled call for bids (April 6) State Project 1-37, Ramsey Co.; State Project 7-30, Federal Aid Project 269, Waseca Co.; State Project 42-41, Federal Aid Project 207, Olmsted Co.; State Project 8-30 Federal Aid Project 280, Cass Co., State Project 11-21, Federal Aid Project 252, Roseau Co., State Project 49, 21, between Raymond and Willmar, Kandiyohi Co. Noted Mar. 16 and 23. (May be advertised again in May or later.)

Minn., Moorhead—Plans paving 9th St. S., from 4th to 7th Aves.; 5th Ave. W., from 8th to 9th Sts.; 6th Ave. S., from 1st to 9th Aves. $40,000. R. G. Price, clk.

Neb., Omaha — Passed ordinance improving various streets in Dist. 2179. H. Beal, city engr.

Missouri — State Hy. Dept., Jefferson City, plans 1.941 mi. road from Bismarck to Flat River, State Aid Project 20.125, St. Francois Co., 6,025 cu.yd. earth and 625 cu.yd. rock excav., 1,091 cu.yd. borrow, 18,302 sq.yd. gravel surfacing on 5-in. rock, 65.5 cu.yd. concrete masonry, etc., $19,970; 2.434 mi. road from Forsyth southward, State Aid Project 20.150, Taney Co., 9,593 cu.yd. earth excav., 1,225 cu.yd. borrow, etc., $6,611; 1.181 mi. road from Grant City southward, State Aid Project 20.147, Worth Co., 13,578 cu.yd. earth excav., 2,328 cu.yd. borrow, 42.8 cu.yd. concrete masonry, etc., $11,335; 2.909 mi. road from Eldon to Tuscumbia, State Aid Project 20.141, Miller Co., 13,932 cu.yd. earth excav., 99.7 cu.yd. concrete masonry, etc., $11,571. A. Graham, state highway engr.

Missouri — State Hy. Dept., Jefferson City, plans 5.193 mi. road from Steelville to Cherryville, State Aid Project 20.149, Crawford Co., 22,359 cu.yd. earth and 3,057 cu.yd. rock excav., 15,372 cu.yd. borrow, 138.6 cu.yd. concrete masonry, etc., $29,723; 8.03 mi. Jefferson Highway, State Aid Project 20.121, Andrew Co., 63,410 cu.yd. earth and 2,231 cu.yd. rock excav., 349 cu.yd. concrete masonry, etc., $50,647; 4.223 mi. road from Lanagan to Noel, State Aid Project 20.152, McDonald Co., 21,713 cu.yd. earth excav., 9,445 cu.yd. borrow, 383.4 cu.yd. concrete masonry, etc., $29,186. A. Graham, state highway engr.

Missouri—State Hy. Dept., Jefferson City, rejected bids opened March 10, 5.57 mi. Federal Aid Project 24, Cooper Co. $80,504. Will be readvertised. A. Graham, state highway engr. Noted March 2.

Mo., Kennett—Dunklin Co. making plans and opens bids about May 15 paving various streets. $40,000. C. E. Stiver, Cape Girardeau, engr.

Mo., New Bloomfield — Callaway Co. (Fulton) had plans prepared and soon takes bids hard surfacing New Bloomfield Special Rd. Dist. No. 1, $160,000. W. P. Divers, Fulton, engr.

Tex., Fort Worth—Tarrant Co. making plans grading and surfacing 3.64 mi. State Highway 40, Keller-Denton Rd., 29,164 cu. yd. earth excav., 38,466 sq.yd. bituminous macadam, 158 cu.yd. concrete, 8,540 cu.yd. crushed rock, 10,556 lb. reinforcing. $86,185. R. V. Glenn, Ft. Worth, consult. engr.

Tex., Laredo—Plans street improvements and paving. $150,000 bonds voted and submitted to Attorney General's Dept. Austin, for approval. C. A. Frees, city engr.

Tex., Pearsall—Frio Co. making plans grading, gravel surfacing and topping 35 mi. State Highway 2, 100 acres clearing, 40,000 cu.yd. borrow, 140,000 cu.yd. earth excav., 1,500 cu.yd. concrete, 370,000 sq.yd. 1 in. bituminous macadam, 15,000 sq.yd. concrete pavement, 105,000 cu.yd. gravel surfacing, 87,909 lb. reinforcing. $600,000. J. D. Metcalfe, co. engr.

Cal., Burlingame—Had plans prepared improving various streets in Burlingame Terrace, involving 365,000 sq.ft. grading, 326,000 sq.ft. 1½ in. topeka on 4 in. hydraulic concrete, 20,800 lin.ft. gutter, 3,750 lin.ft. curbs, 7,450 lin.ft. 4-12 in. vitr. sewers, etc. $110,287. C. A. Torello, city engr.

Cal., Gustine—Had plans prepared improving 1st, 4th and 6th Aves., etc., involving 88,564 sq.ft. grading and 88,564 sq.ft. 2 in. warrenite on 3 in. asphaltic concrete, etc. C. C. Kennedy, Call Bldg., San Francisco, engr.

Cal., Modesto—Had plans prepared grading, curbing, guttering and paving with 1½ in. warrenite on 2½ in. asphaltic concrete base, portions of 6th St., Fairview and Magnolia Aves. $44,842. G. H. Freitas, city engr.

Cal., San Francisco—Had plans prepared improving Market St. between Mono and 24th Sts., involving 170,500 sq.ft. asphaltic concrete, 55,000 sq.ft. artificial stone walks, etc. $70,000. M. M. O'Shaughnessy, city engr.

Que., Montreal—City and municipalities on Island of Montreal, plan 34 mi. highway through Island from bridge terminal, Bout De Isle to St. Anne de Bellevue, to be built in sections 150 ft. wide. $3,000,000.

Que., Outremont—A. C. Duchastel, city engr., opens bids in April, paving 3 mi. Lagoie, Mt. Royal, St. Catherine, Cambrai and Pratt Sts., bituminous macadam. $100,000.

Que., Sherbrooke—Voted $445,000 bonds for road and sewer improvements. A. King, clk.

Ont., Ottawa—Plans asphalt pavements on Augusta St. from Rideau to Wilbrad Sts., and from Heney to Rideau Sts., McKenzie Ave. from Rideau to St. Patrick Sts., Coburg St. from Rideau to Clarence Sts. and Waller St. from Rideau St. to Laurier Ave. E. $65,000. A. F. Macallum, city engr.

BIDS DESIRED

N. Y., Horseheads — April 4, by Bd. Trustees, paving, curbing and guttering South Main St., concrete. F. M. Smith, clk.; adv. this issue.

N. Y., Johnstown—April 17, by G. E. Yerdon, city clk., paving Hoosac, East and West Clinton Sts., rein.-con.; adv. this issue.

N. Y., New York—April 6, by J. Miller, pres. Manhattan Boro, Municipal Bldg., repairing asphalt pavements in railroad area when and where directed by chief engineer; repaving Ludlow St. from point 145 ft. north of Delancey to East Houston Sts. and Suffolk St. from Division St. to point 46.5 ft. more or less south of south curb line of Delancey St., granite block on concrete; Vesey St. from Church to Washington Sts., 4 in. granite block on existing concrete; Ave. A (curb to curb) from 82nd to 86th Sts., Ave A (curb to rail) from 86th to 93rd Sts.; East 111th St. from 3rd to 5th Aves., sheet asphalt on concrete.

N. Y., Rye—April 5, by W. H. Selzer, clk., laying concrete sidewalks on various streets. J. A. Ehler, Municipal Hall, engr.; adv. this issue.

N. Y., S. I., St. George—April 4, by C. D. Van Name, pres. Richmond Boro, repaving within franchise area of Richmond Light & R.R. Co. on Richmond Terrace from Van to Bodine Sts., granite block.

N. Y., Syracuse—April 10, by Bd. Contract & Supply paving and resurfacing various streets. F. E. Barry, secy.; adv. this issue. Noted March 16.

N. J., Bridgeton—April 13, by Cumberland Co. paving State Highway Route 15, Sects. 2 and 3, Bridgeton-Millville, warrenite bitulithic. W. M. Sharp, Bridgeton, co. engr.; adv. this issue.

N. J., Camden—April 10, by C. F. Wise, chn. Road Com., Camden Co., Court House, widening and resurfacing portion Marlton Pike, Delaware Twp., Camden Co., sheet asphalt on macadam widened telford; portion Evesham Rd., Magnolia Boro, Gloucester and Centre Twps., sheet asphalt

Streets and Roads (Continued)
on macadam. J. J. Elbertson, Court House, co. engr.; adv. this issue.

N. J., Freehold—April 12, by Bd. Freeholders Monmouth Co., repaving Keyport-Matawan Rd., Sect. 1, rein.-con. G. K. Allen, Jr., 60 Broad St., Red Bank, engr.; adv. this issue.

N. J., Freehold—April 12, by Bd. Freeholders Monmouth Co. repaving Red Bank, Fair Haven, Oceanic Rd. No. 48, Sect. 2, rein.-con. G. F. Randolph, 60 Broad St., Red Bank, engr.; adv. this issue.

N. J., Morristown—April 14, by Morris Co., Court House, paving Sect. 5 of State Highway Route 5, Madison Ave., bituminous concrete on concrete. W. Hopkins, co. engr.; adv. this issue. Noted March 23.

N. J., Somerville—April 18, by Somerset Co. Court House, paving Route 9, Sect. 5, Union Ave. through Bound Brook, sheet asphalt on reinforced concrete, H. C. Van Emburgh, Court House, co. engr.; adv. this issue.

N. J., Toms River—April 14, by Ocean Co. paving State Highway Route 4, Sect. 14, Laurelton-Lakewood, 1 course reinforced cement concrete on plain cement concrete. J. M. Abbott, Toms River, co. engr.; adv. this issue.

Pennsylvania—April 18, by State Hy. Dept., Harrisburg, paving in Armstrong, Blair, Cambria, Chester, Clarion, Clearfield, Crawford, Venango, Delaware, Erie, Indiana, Jefferson, Lackawanna, Lawrence, McKean, Mercer, Snyder, Juniata, Warren and York Counties. G. H. Biles, comr.; adv. this issue.

Pennsylvania—April 19, by State Hy. Dept., Harrisburg, paving in Allegheny, Armstrong, Beaver, Blair, Cambria, Clearfield, Crawford, Erie, Jefferson, Lackawanna, Mercer, Monroe, Perry, Susquehanna, Venango, Warren and York Counties. G. H. Biles, comr.; adv. this issue.

Pa., Ebensburg—April 15, by Supervisors Barr Tw., 2 mi. Spangler-Bakerton Rd., brick. $100,000. N. F. Lambour, Spangler, clk.

Pa., Ebensburg—April 17, by Supervisors Croyle Twp., 5 mi., Jackson, Frankstown and Kneppers Mill Rds., 18 ft., vitr. brick. $200,000. O. P. Thomas, Park Bldg., Johnstown, engr.

Pa., Williamsport—April 7, paving, curbing, etc., 12 streets; adv. this issue.

Maryland—April 11 by State Hy. Comn., Baltimore, sections state highway in Frederick Co., Contr. F-49, Baltimore Co., Contr. B-35, Carroll Co., Contr. C1-25 and Hartford Co., Contr. H-27. J. N. Mackall, chn; adv. this issue.

W. Va., Huntington—April 5, by Bd. Comrs., grading, curbing and paving Edward St. from Boulevard Ave. to Groves St., Groves St. from Boulevard Ave. to 15th St., Miller St. from 15th to 16th Sts.; Monroe Ave. from 9th to 13th Sts. west; Latulle Ave. between 27th and Division Sts.; Buffington St. between Baltimore and Ohio R. R. tracks and the Chesapeake and Ohio right of way, at its Guyandotte station; Doulton Ave. from 16th to Minton Sts., Minton St. from Doulton Ave. to alley south or pottery 11th Ave. and pottery 11th Ave. from Minton to 20th Sts.; 22nd St. from 3rd to 5th Aves.; 2nd St. from 10th to 11th Aves. A. B. Maupin, city engr.

Va., Orange—April 3, by Clerk Orange Co., 5.04 mi. Somerset Rd. between Liberty Mills and Gordonsville, penetration macadam. State Highway Dept., 116 South 3rd St., Richmond, engrs.

S. C., Abbeville—April 8, by Abbeville Co., topsoiling 7.1 mi. Hodges Rd. from city limits of Abbeville to Greenwood Co. line. H. B. Humbert, Abbeville, engr.

S. C., Allendale—April 11, by Allendale Co., grading and surfacing 10.3 mi. sect. of Allendale-Augusta Rd., 55,000 cu.yd. excav., 25,514 cu.yd. sand clay. J. E. Bryan, Allendale, engr.

Ga., Atlanta—April 3, by J. N. Landers, Purch. Agt., concrete paving 1,292 sq.yd. Love St. from Fraser to Martin Sts.; 2,256 sq.yd. Cherry St., from Cascade to Greenwood Aves.; 1,440 sq.yd. Webster St. from Fair to Parsons Sts.; 3,548 sq.yd. Vedado Way from Greenwood Ave. to Jackson St.; 3,778 sq.yd. Little St. from Martin to Fraser Sts.; 4,610 sq.yd. Holderners St. from Gordon St. to Lucile Ave. H. L. Collier, City Hall, engr.

Ga., Valdosta—April 20, by City Clerk, City Hall, paving 10,500 sq.yd. streets, vitr. brick, asphalt or concrete, 7,000 lin.ft. granite curbing, 7,000 lin.ft. concrete guttering, 4,500 sq.yd. concrete sidewalk, 2,700 cu.yd. earth excav. W. H. Gainey, City Hall, engr.

Fla., Bushnell—April 10, paving 2 mi. various streets, involving 12,000 sq.yd. vitr. brick or asphalt. $30,000. Young-Merrin Co., c/o B. Allen, city clk., engr. Noted Jan. 12.

Fla., Ocala—April 11, by Comrs. Marion Co., surfacing 15 mi. road between Belleview and Lak Co. line, involving 140,000 sq.yd. surfacing. Bituminous macadam, bituminous concrete, plain cement concrete or sheet asphalt on concrete or crushed stone base. R. B. Meffert, chn.

Fla., Orlando—April 18, by Comrs. Orange Co., grading 6 mi. Orlando-Bithlo Rd., 9,000 cu. yd. excav., $27,000; grading and clay surfacing 6 mi. road from Sorrento to Lake Co., 25,000 cu. yd. excav., 15,000 cu. yd. clay. $25,000. C. A. Browne, co. engr.

Fla., Tampa—April 24, by Bd. Comrs. Hillsborough Co., 160 mi. paving, constructing Bayshore Blvd. seawall and rein.-con. bridge at Sulphur Springs. C. T. Friend, chn.; adv. this issue.

Ala., Decatur—April 12, by Bd. Revenue Morgan Co., grading and paving 7.4 mi. extension of Falkville West Pike from McKendree Chapel west to Danville and Bashams Gap Rd., 1.5 acres clearing, 22,200 cu. yd. excav., 140 cu. yd. concrete, 10,360 cu.yd. crushed limestone; 14.6 mi. Decatur-Danville Rd., 43,800 cu.yd. excav., 320 cu.yd. concrete, 10,240 lb. reinforcing, 20,440 cu.yd. crushed limestone; 14.6 mi. extension Falkville East Pike by way of Gandys Cove, through Lawrence Cove to Ryans X Rds., 7 acres clearing, 58,400 cu.yd. excav., 438 cu.yd. concrete, 14,000 lb. reinforcing 2,440 cu.yd. crushed limestone; 3 mi. from Eva north to Oden Ridge Schoolhouse, 7,500 cu.yd. excav., 4,200 cu.yd. crushed limestone; 7.4 mi. extension Decatur-Somerville Pike southeast to County Toolhouse, 17,420 cu.yd. excav., 260 cu.yd. concrete, 8,320 lb. reinforcing, 10,300 cu.yd. crushed limestone; 5.6 mi. Florette and Ryans X Rds. southeast to Falkville-Ryans X Rd., 19,400 cu.yd. excav., 160 cu.yd. concrete, 7,840 cu.yd. crushed limestone; 7.9 mi. extension Hartsells and Valhermosa Pike northeast to Valhermosa, 16,000 cu.yd. excav., 370 cu. yd. concrete, 12,000 lb. reinforcing, 11,160 cu.yd. crushed limestone; 3.2 mi. Flint-Decatur-Somerville Pike southeast to Danville Rd., 3 acres clearing, 12,200 cu. yd. excav., 60 cu.yd. concrete, 4,480 cu.yd. crushed limestone. $224,904. R. A. Burleson, Hartsells, engr.

In March

We published 781 tips on new street and road construction as follows:

Proposed work	261
Bids desired	266
Bids received	68
Contracts awarded	186

Are you making the most of the season.

Miss., Vicksburg — April 4, at office Chancery Clerk, Warren Co., gravel surfacing 6.46 mi. Baldwins Ferry Rd., 51,529 cu.yd. earth excav., 41,033 cu.yd. earth borrow, 11,800 cu.yd. sand clay gravel surfacing. H. R. Rhodes, highway engr.

Louisiana—April 3, by State Hy. Comn., Maison Blanche Annex, New Orleans, 15.04 mi. Arcadia-Natchitoches Highway from Arcadia to Bienville, Bienville Parish, 4.9 mi. Morgan City-Houma Highway, Assumption Parish, and 5.16 mi. Alexandria-Columbia Highway from Camp Beauregard to Grant Parish line, Rapids Parish. J. M. Fomury, state engr.

Tennessee—April 14, by State Highway Dept., Nashville, surfacing and necessary bridges on 9.98 mi. State Highway 1, between Madison Co. line and Brownsville, Federal Aid Project 70, Haywood Co., 68,500 cu. yd. common excav., 195,392 sq.yd. 2½ in. bituminous macadam, 111,247 sq.yd. standard hand placed coarse stone, 937.49 cu.yd. concrete, etc.; 16.59 mi. State Highway 31, between Lawrenceburg and Wayne Co. line, Federal Aid Project 62, Lawrence Co., 53,792 cu.yd. common, 304 cu.yd. solid rock, excav., 19,651 cu.yd. borrow, 147,067 sq.yd. 7 in. chert surface, 605.15 cu.yd. concrete. D. Q. McComb, ch. engr.

O., Cleveland—April 5, grading, curbing and paving Aetna Rd., S. E. from East 78th to East 82nd Sts., Benham Ave. S.E. from East 93rd to East 103rd St., Caine Ave. S. E. from East 131st St. to city limits, Dawning Ave. S.E. from West 35th St. to Pearl Rd., Helena Ave. N. E. from East 105th St. to Parkwood Dr. N.E., Hough Ave. N.E. from East 40th to East 55th Sts., Joan Ave. S.W. from West 105th St. to Lorain Ave., McCauley Ave. N.E. from Lakeshore Blvd. to East 156th St., Nanford Rd. N.W. from Baltic Rd. N.W. to East 102nd St., Norman Ave. S.E. from East 105th St. to Calvin Ave. S.E., Oakwood Ave. S.E. from East 71st to East 72nd Sts., Wellesley Ave. S. E. from East 51st to East 49th Sts., East 67th St. from Worley Ave. S.E. to Collier Ave. S. E., West 36th St. and Revere Court S.W. from Broadview Rd. S. W. to westerly end of Revere Court, West 97th St. from Lorain Ave. to Allerton Ave. N. W. $250,000. R. Hoffman, City Hall, engr.

O., Columbus—April 11, by W. H. Duffy, dir. Pub. Serv. grading and paving alley north of Fulton St. from Linwood Ave. to alley west of Kimball Pl., 230 ft. long, 20 ft., concrete, $2,660; alley west of Forsythe Ave. from 5th to 6th Sts., 509 ft. long, 16½ ft., brick, $4,214, concrete, $3,036; alley west of 20th St., from alley north of Broad to Long Sts., 736 ft. long, 20 ft., brick, $8,216, concrete, $6,466; alley north of Jackson St. from 4th to 7th Sts., 1,481 ft. long, 15 ft., brick, $10,236, concrete, $8,337; alley north of 9th Ave. from alley west of High to Hunter Sts., 598 ft. long, 25 ft., brick, $6,970, concrete, $5,669; alley north of 4th Ave. from Perry St. to west terminus, 456 ft. long, 20 ft., brick, $4,458, concrete, $3,416; 2nd alley west of 9th St. from alley west of Broad to Gay Sts., 254 ft. long, 20 ft., brick, $2,692, concrete, $2,097. R. H. Simpson, city engr.

O., Minster—April 12, by H. J. Dress, village clk., paving Hanover St. from 3rd to 5th Sts., 5,250 cu.yd. grading, 6,630 sq.yd. pavement, 1,452 lin. ft. 6-12 in. sewer pipe, etc. G. Champe, 610 Nasby Bldg., Toledo, civil engr.

Indiana—April 4 by State Hy. Comn., Indianapolis, grading and paving 5.261 mi. National Rd. Clay Co., 52,421 sq.yd. vitr. brick, concrete or bituminous concrete, 19,218 cu.yd. excav., 55,694 sq.yd. concrete base; 5.64 mi. National Rd., Putnam Co., 56,212 sq.yd. vitr. brick concrete or bituminous concrete, 11,452 cu.yd. excav., 59,507 sq.yd. concrete base; 7.682 mi. Lincoln Highway, Porter Co. 82,789 sq.yd. vitr. brick, concrete or bituminous concrete, 39,994 cu.yd. excav., 78,282 sq.yd. concrete base; 4.82 mi. from Inglefield, Vanderburg Co. to Ft. Branch, Gibson Co., 39,334 sq.yd. vir. brick, concrete or bituminous concrete, 20,240 cu.yd. excav.; 5.18 mi. Dixie Bee Line. Gibson Co., 60,170 sq. yd. vitr. brick, concrete or bituminous concrete, 41,148 cu.yd. excav., 65,600 sq.yd. concrete base; all 18 ft.

Ind., Cannelton—April 3 by Perry Co., grading and graveling, surfacing 15,760 ft. Philip Werner Rd., 18 ft. $29,012.

Ind., Crown Point—April 4 by Lake Co., grading and gravel surfacing 69,000 ft. Anthony Nomanson Rd., 18 ft.

Ind., Princeton—April 4, by Gibson Co., grading and paving 2.5 mi. G. F. Hoffman Rd., 18 ft., stone, crushed rock or other material.

Michigan—April 11, by State Hy. Dept., Lansing, grading and surfacing 1.454 mi. State Trunk Line Rd. 11-24, Ottawa Co., 3,492 cu.yd. excav., 17,015 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rodgers, state highway comr. Noted March 23.

Mich., Ann Arbor—April 4, by Bd. Pub. Wks. through I. G. Reynolds, city clk., paving Hill, North State, Packard and Cross Sts., also for season's supply of road oil, cement, sewer pipe, sand and gravel, adv. this issue.

Mich., Grosse Pointe (Detroit P. O.)—April 4, grading and paving 1,500 ft. Wayburn Ave. from Hampton Rd. to Kercheval Ave., sheet asphalt, Willite or asphaltic concrete. $25,000. C. H. Marden, 502 Old Whitney Bldg., Detroit engr.

Wisconsin—April 7, by State Hy. Comn., at div. office 8. Overland Bldg., Madison, grading and paving 6.97 mi. Endeavor-Portage Rd., Federal Aid Project 307, Columbia Co., 31,066 cu.yd. earth and 847 cu.yd. borrow excav., 381.82 cu. yd. concrete, 425 bbl. cement in place, 15,400 cu.yd. gravel surfacing; Beloit-Delavan Rd., Federal Aid Project 305, Rock Co., (a) Sect. A. Federal Aid Portion 3.03 mi., 9,200 cu.yd. earth excav., 71.23 cu.yd. concrete in culverts, 32,000 sq.yd. concrete surfacing exclusive of cement and joints, 10,700 bbl. cement in place, Sect. B. 4.26 mi., Bond Issue Portion, 14,236 cu.yd. earth and 254 cu.yd. borrow excav., 82.4 cu.yd. concrete in culverts, 45,176 sq.yd. 18 ft. concrete surfacing exclusive of cement and joints; 6.2 mi. Janesville-Evansville Rd., State Aid Appropriation 272, Rock Co., Sta. 23 to 352, 31,000 cu.yd. earth and 500 cu.yd. borrow excav.

Streets and Roads (Continued)

Wis., Appleton—April 10, by Outagamie Co. State Road and Bridge Com., Seymour-Angelica Rd., Projects 131 and 162, 4,176 cu.yd. earth and 28 cu.yd. borrow excav., 18,814 cu.yd. concrete surfacing. Former bids rejected. A. G. Brusenwitz, comr. Noted March 16.

Wis., Green Bay—April 5, by Brown Co. State Road and Bridge Com., 11.5 mi. Green Bay-Manitowoc Rd., 51,936 cu.yd. unclassified excav., 373.9 cu.yd. concrete in culverts, 109,317 sq.yd. 16 ft. concrete surfacing, 35,200 bbl. cement in place; 6.12 mi. Green Bay-New Franken Rd., 16,948 cu.yd. unclassified and 200 cu.yd. solid rock excav., 217.8 cu.yd. concrete in culverts, 57,884 sq.yd. 16 ft. concrete surfacing, 18,639 bbl. cement in place; Green Bay Shawano Rd., (a) 5.3 mi. 17,471 cu.yd. unclassified and 345 cu.yd. borrow excav., 98.4 cu.yd. concrete in culverts, 50,050 sq.yd. 16 ft. concrete surfacing, 16,116 bbl. cement in place, (b) 2.5 mi. 8,240 cu.yd. unclassified excav., 45 cu.yd. concrete in culverts, 23,468 sq.yd. 16 ft. concrete surfacing, 7,557 bbl. cement in place. G. J. Cormier, comr.

Wis., Racine—April 3, by W. A. Bechthold highway comr. Racine Co., concrete surfacing Windlake Rd., 71,600 sq.yd. concrete surfacing, 91,000 lb. reinforcing, 26,389 cu.yd. excav., 225 cu.yd. concrete culverts, 22,000 bbl. cement in place. Wisconsin Highway Comn., Madison, engrs.

Ia., Decorah—April 5, paving Water and Washington Sts., 8,563 sq.yd. concrete, asphaltic concrete, bitulithic or vitr. brick, 4,350 lin.ft. curb and gutter, 850 cu.yd. excav., 400 ft. 12 in. sewer. F. M. Hughes, clk.

Ia., Montezuma—Poweshiek Co. receiving bids and opens same early in April, grading 27 mi. Primary Rd. Project 59. C. E. Oleson, Montezuma, engr.

Minn., Albert Lea—April 4 by Freeborn Co., Job 2212, state aid road, 54,604 cu.yd. earth excav., 30,000 sta. yd. overhaul, etc. $25,000. E. V. H. Brown, Albert Lea, engr.

Minn., Pine City—April 10 by Pine Co., Job 2201, State Rd. 6, 60,842 cu.yd. excav., 18,700 cu.yd. overhaul, 8,037 cu.yd. hand ditch, 18 x 24 ft. rein.-con. bridge, 1,018 lin. ft. 12-36 in. corrugated metal culvert. $26,000. P. F. Stary, Pine City, engr.

Minn., Two Harbors—April 3, grading and concrete paving 8 blocks 2nd. Ave. between Willow and Cherry Sts. $35,000. P. A. Cullen, city clk.

Kan., Hutchinson—April 21, by Comrs. Reno Co., paving 15 mi. Santa Fe Trail, Sects. C, D and E, Federal Aid Project 27, 159,325 sq.yd. monolithic brick or bituminous filled brick on sand cushion, 20,894 cu. yd. earth excav., 159,325 sq.yd. concrete base. W. A. Stacey, Hutchinson, engr. Noted March 23.

Wyo., Casper—April 10, paving 34,000 sq.yd. Grant and Lincoln Sts., concrete, bituminous or asphalt on concrete base, 1,000 lin.ft. concrete curb, 10,000 cu.yd. excav., also storm sewerage system, $100,000. F. S. Knittle, city engr. Noted March 16.

Missouri—April 13, by State Hy. Dept. at div. office Oregon, 6.693 mi. road from Oregon to Maitland, State Aid Project 20.37, Holt Co. $48,347. A. Graham, Jefferson City, state highway engr. Noted Dec. 29.

Missouri—April 14, by State Hy. Dept. at div. office Palmyra 2.228 mi. road from West Ely westward, State Aid Project 20.38, Marion Co. $25,000. A. Graham, Jefferson City, state highway engr. Noted Jan. 5.

Tex., Amarillo—Potter Co. receiving bids grading and gravel surfacing 4.34 mi. State Highway 5-N, 6,451 cu.yd. earth excav., 96 cu.yd. concrete, 8,208 lb. reinforcing, 12,026 cu.yd. gravel, 2,122 cu.yd. clay. $40,000. Nagle-Witt Rollins Eng. Co., co. engrs.

Tex., Greenville—April 5, by O. P. McWhirter, judge Hunt Co., surfacing 12.16 mi. State Highway 42, 113,130 sq.yd. 1½ in. bituminous macadam, 24,429 cu.yd. 7½ in. compacted crushed stone base, 74,923 gal. bitumen, 5,138 cu.yd. cover stone, $178,660. A. D. Duck, co. engr.

Colorado—April 6, by State Hy. Dept., Denver, grading 4.4 mi. from end of present Mt. Evans Rd. near Echo Lake extending toward Summit, State Project 650, 23 acres clearing, 21,650 cu.yd. earth and 14,205 cu.yd. rock excav., 800 cu.yd. borrow fill, 432 ft. 15-30 in. corrugated metal pipe. $50,000. L. D. Blauvelt, State Museum Bldg., Denver, engr.

Nevada—April 5, by Directors State Hy. Dept., Carson City, grading, surfacing and building structures on 8.29 mi. Leetville-Hazen Rd., Churchill Co., 36,200 cu.yd. excav., 250 cu.yd. Class A and 20 cu.yd. Class B concrete, 14,130 cu.yd. loading gravel from cars, 23,750 yd. miles haul gravel, 72,850 sq.yd. spreading and compacting bottom and top course gravel; 7.04 mi. road, 5.72 mi. south of Yerington to Wilson, Lyon Co., 21,000 cu.yd. excav., 10,760 cu.yd. selected material for sub-base, 175 cu.yd. Class A and 80 cu. yd. Class B concrete; 4.19 mi. road from Bulkhead to Hudson-Aurora Rd., Lyon Co., 6,710 cu.yd. loading gravel at pits, 17,000 yd. miles haul gravel, 36,900 sq.yd. spreading and compacting base and top course gravel. G. W. Borden, state highway engr.

Washington—April 8, by State Hy. Dept., Olympia grading, crushed rock or gravel surfacing 3.6 mi. Sunset Highway and 4.7 mi. Squillchuck - Wenatchee Heights Rd., Chelan Co. J. Duff, co. engr.

Wash., Chehalis—April 10, repaving Market St., et al, 13,896 sq.yd. 7 in. and 387 sq.yd. 6 in. concrete, 8,230 lin. ft. integral curbing, 19,175 lin. ft. concrete sidewalk, 5,535 cu.yd. excav. B. Bantz, Chehalis, engr. Noted Dec. 22.

Wash., Everett—April 17, by Snohomish Co., hard surfacing 1 mi. and grading and gravel surfacing 8 mi. Beverly-Park Edmonds, Birmingham-Lake Wood and Snohomish-Machias Rds. $62,000. F. G. Tegtmeier, Snohomish, engr.

Wash., Olympia—April 8 paving, curbing, guttering, concrete walks, water mains, hydrants, etc. Main, 21st, Columbia, Jefferson, Adams, 5th, 6th and 3rd Sts., et al. $172,014 R. Wood, city engr.

California—April 10, by State Hy. Dept., Sacramento, grading 11 mi. highway between San Lucas and point 2.75 mi. east of Long Valley School, Monterey Co. A. B. Fletcher, state highway engr.

California—April 17, by State Hy. Com., Sacramento, paving 11.7 mi. highway between Santa Rosa and Belante, Sonoma Co., bituminous macadam. A. B. Fletcher, state highway engr.

Cal., Oakland—April 10, by Supervs. Alameda Co., grading and paving Hayward-Mt. Eden Rd., 640,000 sq.ft. grading, 250 000 lb. reinforcing, 270,000 sq.ft. shoulders, 2,500 lin.ft. 6 in. drain tile, 390,000 sq.ft. 1½ in. or 2 in. asphaltic surface, 1½ in. or 2 in. bituminous surface on 5 in. concrete base, etc. $170,000. G. A. Posey Courthouse, engr.

Que., Longueil—April 18, by A. Thurbur, mayor, repaving 7 mi. various streets, bituminous macadam, water bound macadam and concrete, $385,000. A. St. Marien, Town Hall, engr.

Ont., Ottawa—Ottawa Suburban Rd. Comn., 26 Wellington St., taking bids sheet asphalt pavements on 1 mi. Richmond Rd. and 2½ mi. Metcalfe Rd. $40,000. A. K. Hay, Thistle Bldg., engr.

BIDS RECEIVED

N. Y., Brooklyn—Park Bd. at office Dept. Parks, Municipal Bldg., New York, opened bids March 23, improving main roadway of Ocean Parkway, here, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $27,981; Cranford Co., 52 9th St., $28,933; Borough Asphalt Co., 1301 Metropolitan Ave., $30,338. Noted March 16.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids March 22, repaving (1) Cortlandt St., (2) 104th St., (3) 84th St., from W. J. Fitzgerald, 547 West 45th St., (1) $30,207; J. Meehan & Son, 74 Cortlandt St., (1) $31,182; P. J. Kearns Contg. Co., 2306 Creston Ave., (1) $31,781; C. D. Beckwith, Inc., 2875 Bway., (2) $18,007, (3) $29,329; Asphalt Constr. Co., 208 Bway., (2) $18,308, (3) $26,652; Interboro Asphalt Co., 233 Bway., (2) $18,495; J. E. Gaffney, 438 East 91st St., (3) $29,967. Noted March 16.

N. J., Plainfield—Common Council, City Hall, opened bids March 20, improving various streets, from Baton Constr. Co., Front and Norris Sts., Phila., $53,893; F. Mobus, 292 Watchung Ave., Plainfield, $55,122; Weldon Contg. Co., Broad St., Westfield, $55,449. Noted March 2.

Alabama—State Hy. Comn., Montgomery, grading and surfacing 18.16 mi. road from Guntersville to Boaz, Marshall Co., (a) bituminous macadum, 2½ in. penetration, (b) bituminous concrete, (c) warrenite bitulithic, (d) plain concrete, 6 in. slab, (e) rein.-con., 6 in. slab, 45 lb. per 100 sq.ft., from W. T. Taylor Constr. Co., Wilsonville, (a) $382,993; J. P. Dicus, Ft. Payne, (a) $400,957, (b) $400,957, (d) $478,271, (e) $515,191; A. J. Waldrop, 1717 Highland Ave., Knoxville, Tenn., (a) $401,379, (b) $451,221, (d) $497,159, (e) $541,463; Texas Roads Co., Gt. Sou. Life Bldg., Dallas, Tex., (b) $449,511; Southern Roads Co., Amer. Trust Bldg., Birmingham, (c) $546,150; Dunn Constr. Co., Chamber of Commerce Bldg., Birmingham, (c) $562,019; Morgan Paving Co., Woodward Bldg., Birmingham, (c) $642,811; S. K. Jones Constr. Co., 1252 Herbert St., Memphis, Tenn., (e) $621,137; grading and gravel surfacing 20.52 mi. road from Brewton to Sardis Church, Escambia Co., from Kyser & Gillis, Monroeville, $137,407; Myers Constr. Co., Hattiesburg, Miss., $144,747; P. A. Goldsmith, Montgomery, $148,894; 12.52 mi. road from Dixons Creek to Limbrough, Wilcox and Marengo Counties, from E. P. Toulmin, Toulminville, (Mobile, P. O.), $134,399; D. R. Cook & Co., Selma, $134,901; Z. D. Foundain, Hattiesburg, Miss., $142,733. Noted Mar. 2.

Alabama—State Hy. Dept., Montgomery, grading and surfacing (1) 8.02 mi. Bee Line Highway between Hartsells and Cullman, Cullman Co., (2) 10.101 mi. Bee Line Highway between Hartsells and Cullman Co. line, Morgan Co., (3) 7.256 mi. Judkins Ferry Bridge Wetumpka Rd., Elmore Co., (a) bituminous macadam 2½in. penetration, (b) bituminous concrete, (c) Warrenite bitulithic, (d) plain concrete, 6 in. slab, (e) rein.-con. 6 in. slab, 45 lb. per 100 sq.ft., from S. K. Jones Constr. Co., 1252 Harbert St., Memphis, Tenn., (1a) $209,163, (1b) $228,644; (1d) $271,247, (1e) $300,422, (2a) $240,133; J. F. Morgan Paving Co., Woodward Bldg., Birmingham, (1a) $211,333, (1c) $268,082; Gibson Constr. Co., Knoxville, Tenn., (1a) $247,101; Texas Road Co., Gt. Sou. Life Bldg., Dallas, Tex., (1b) $186,899, (2b) $238,031; Goodrich-Eller Co., Albany, (1b) $229,190, (2a) $245,946, (2b) $261,948; Southern Roads Co., Amer. Trust Bldg., Birmingham, (1c) $251,152, (2c) $345,938; Smith Constr. Co., 30-3rd Ave. W., Birmingham, (1d) $204,142, (1e) $226,164, (2d) $268,654, (2e) $296,390; A. J. Wardrep, 1717 Highland Ave., Knoxville, Tenn., (2a) $247,222, (2b) $268,558, (2d) $287,901, (2e) $312,436; Dunn Constr. Co., Chamber of Commerce Bldg., Birmingham, Ala., (2c) $335,581; Alabama Concrete Products Co., Selma, (2d) $257,219, (2e) $278,554; Henderson & Smith, Montgomery, (3) $77,273; L. Nixon & Smith, Jackson, Miss., (3) $78,585; P. A. Goldsmith, Montgomery, (3) $88,089. Noted Mar. 2.

Ohio—Dept. Highway and Pub. Wks., Columbus, opened bids March 20, grading, bridging and paving roads, (a) oil asphalt, (b) lake asphalt, (c) tar macadam, (d) asphaltic concrete, (e) Kentucky rock asphalt, (f) brick, (g) state to furnish brick, (h) rein.-con., in following counties: Allen Co., Sect. "G" Lima-Delphos Rd., 4.41 mi. from McArthur & Co., Kenton, (a) $84,940, (b) $94,354, (e) $108,618; Westrick, Kraus & Shreives, Napoleon, (a) $85,191, (c) $110,058, (e) $107,960; C. V. Rector, Centennial Rd., Muncie, Ind., (a) $88,952; S. Putnam, Van Wert, (b) $95,115, (c) $121,223; Republic Asphaltic Paving Co., Dayton, (c) $112,619 and $116,757; R. Stone Constr. Co., Lima, (c) $117,549 and $123,757; Thompson-O'Rourke Co., Toledo, (e) $113,585. Scioto Co., Sect. "T" Ohio River Rd., 0.829 mi., from Harper & Ruel, Portsmouth, (c) $17,332, (f) $22,673, (h) $26,953; H. N. Snyder, Columbus, (c) $18,061; G. C. Johnson, Portsmouth, (c) $18,689; S. Monroe Co., Portsmouth, (f) $22,864, (h) $24,023; O. M. Junk, Chillicothe, (f) $22,852, (g) $15,226, (h) $24,419. Scioto Co., Sect. "C-1" Portsmouth-Oak Hill Rd., 0.781 mi. from H. W. Curry Co., Columbus, (c) $26,278; Miller Bros., Gallipolis, (c) $22,500; Harper & Ruel, Portsmouth, (c) $24,591, (h) $28,581; H. N. Snyder, Columbus, (f) $28,330; O. M. Junk, Chillicothe, (f) $28,460, (g) $21,106, (h) $26,421; S. Monroe Co., Portsmouth, (f) $25,530, (h) $27,775. Scioto Co., Sect. "B-2a" Portsmouth - Lucasville Western Rd., 1,007 mi. from Miller Bros., Gallipolis, (c) $22,036; Harper & Ruel, Portsmouth, (c) $23,540, (h) $33,171; C. Arthur, Jackson, (c) $23,543; O. M. Junk, Chillicothe, (f) $31,047, (g) $22,000, (h) $29,599; S. Monroe Co., Portsmouth, (f) $31,517, (h) $29,581; Anderson & Brown, Chillicothe, (f) $32,386. Noted March 9.

O., Cleveland—Cuyahoga Co., grading, draining and paving Royalton Rd. from Wooster Pike to Prospect Rd., 6,700 cu.yd. earth excav., 22,600 sq.yd. 6 in. concrete base and 11,300 sq.yd. waterbound macadam penetration, from Romano Bros., 8006 New York Ave., $24,956.

Wis., Elkhorn—Walworth Co. opened bids March 21, Lake Geneva-Walworth Rd., from States Impvt. Co., 1050 La Salle St., Chicago, $127,849; J. Meakler Co., Chicago, $132,250; R. R. Birdsall, 1025 12th St., Racine, $136,964; Elkhorn-Burlington Rd., from H. Horst, Rock Island, Ill., $129,787; Universal Eng. Co., Ingram Bldg., Eau Claire, $132 809; L. L. Tindall, Waterford, $141,152. Noted March 16.

Wis., Jefferson—Opened bids March 17, concrete paving various streets, from C. B. McNamara Co., 670 Central Ave., Dubuque, Ia., $36,711; Grand, Graham Co., Freeport, Ill., $37,037; E. Bartlett, Watertown, $38,525. Noted March 9.

Streets and Roads (Continued)

Missouri—State Hy. Dept. at div. office Ironton, opened bids March 3, (1) 7.075 mi. road from Glover to Sabula, Federal Aid Project 105, Sect. B, Iron Co., (a) 32,696 cu.yd. earth excav., (b) 6,688 cu.yd. rock excav., (c) 24,254 cu.yd. borrow, (d) 1,050 cu.yd. stone sub base, (e) 50,474 sq.yd. gravel pavement, etc., (2) 4 rein.-con. slab spans on Sect. A of above road, (3) 4 rein.-con. spans on above road, from St. Louis Bridge & Supply Co., St. Louis, (1a) $0.34, (1b) $1.60, (1c) $0.34, (1d) $0.88, (1e) $0.21, total $58,841, (3) $18,116; Lynch-McDonald Constr. Co., Moberly, (1a) $0.34, (1b) $2, (1c) $0.27, (1d) $1.50, (1e) $0.18, total $60,364, (2) $6,884, (3) $16,234; B. F. Clark & Son, St. Louis, (1a) $0.38, (1b) $1.60, (1c) $0.32, (1d) $1.50, (1e) $0.25, total $63,656, (2) $7,186, (3) $17,978. Noted Feb. 23.

Missouri—State Hy. Dept. at div. office Ironton, opened bids March 3, 3.387 mi. road from Ironton to Piedmont, Federal Aid Project 105, Sect. C, Iron Co., (1) 24,515 cu.yd. earth excav., (2) 4,525 cu. yd. borrow, (3) 24,519 sq.yd. gravel surfacing, etc., from Green Constr. Co., 503 S. W. Natl. Bank, Oklahoma City, Okla., (1) $0.34, (2) $0.34, (3) $0.25, total, $26,220; Serv. Constr. Co., Poular Bluff, (1) $0.40, (2) $0.30, (3) $0.22, $27,113; Ramsey-Reynolds & Blocker, St. Genevieve, (1) $0.37, (2) $0.30, (3) $0.27, $27,235. Noted Feb. 25.

Tex., Coleman—Coleman Co. grading and gravel surfacing 22.35 mi. State Highway 23, 48 acres clearing, 87,531 cu.yd. borrow, 63,868 cu.yd. roadway, 2,090 cu.yd. loose and 4,997 cu.yd. solid rock excav., 20,000 cu.yd. stripping gravel pits, 46,683 cu.yd. gravel furnished by county, from Burks & Hart, Comanche, $83,896; M. M. Craven, Bellaire, $85,571; McCall-Moore Eng. Co., 308 Amicable Bldg., Waco, $103,674.

Col., Denver—Grading, concrete curbing and surfacing ½ sq.mi. West Colfax Impvt. Dist., 30 ft. from Gibbons & Lawrence, 4680 Vine St., $60,298; W. W. Axton Constr. Co., 4437 Alcott St., $62,192; J. F. Roberts Constr. Co., Tramway Bldg., $67,064.

Col., Denver—Opened bids March 21, concrete paving (1) 12 blocks Alley Paving Dist. 68, (2) 12 blocks Alley Paving Dist. 69, 16 ft., (3) 12 blocks Alley Paving Dist. 70, 16 ft., from J. V. Stryker, 1507 Blake St., (1) $24,361, (2) $23,789, (3) $16,734; J. E. Young, 1267 South Race St., (1) $24,-810, (2) $24,255, (3) $17,034; C. C. Madsen, 1707 Gilpen St., (1) $25,002, (2) $24,-391, (3) $17,178. Noted March 9.

Cal., Santa Monica—Paving with oil macadam, curbing and laying sidewalks on 22nd and 23rd Sts. between Santa Monica and Wilshire Blvds., 105,518 sq.ft. paving, 154,410 sq.ft. grading, 5,031 lin.ft. concrete curbing, 24,650 sq.ft. cement sidewalk, from J. D. Kneen Paving Co., Dudley Bldg., $29,657; Warren Constr. Co., Rialto Bldg., San Francisco, $33,611; Braun, Bryan & Austin, 1680 4th St., $33,670.

CONTRACTS AWARDED

Connecticut—State Hy. Dept., Hartford, 4,270 ft. Ferry Blvd., Stratford, 1,460 ft. Post Rd., East approach to Washington Bridge, Melford, plain cement concrete, to Connecticut Hassan Paving Co., 902 Chapel St., New Haven, $25,000 and $8,000 respectively; 4,795 ft. Farmington Ave., Unionville, plain cement, to A. DiMarco, 221 Berlin Ave., Southington, $23,260; 800 ft. Nash's Corner, also straightening dangerous curve, Westport, plain cement concrete, to W. H. Arthur, Crescent St. (Glenbrook), Stamford, $5,558; 6,750 ft. Hebron Rd., Glasonbury, 7 in. macadam, to Immick Co., State and Main Sts., Meriden, $24,825; 12,370 ft. Colebrook River Rd., Colebrook, 7 in. native stone macadam, to J. DeMichael & Bros., 58 High St., Torrington, $46,330. Noted Mar. 16.

Connecticut—State Hy. Dept., Hartford, 6,420 ft. Peat Swamp Rd., Westport and Norwalk, 30 ft., plain cement concrete, to Natl. Constr. Co., 721 Main St., Hartford. $33,000.

N. Y., Little Falls—Bd. Pub. Wks. paving and curbing Church, Hancock, South William and East Jefferson Sts., to Koetteritz & Blakslee, Herkimer, $44,320.

N. J., Freehold—Bd. Freeholders Monmouth Co., reconstructing State Highway Route 4, Sect. 6, Etontown to West Long Branch, sheet asphalt on concrete, to Utility Constr. Co., 5 Spring St., New Brunswick, 79.8% of $187,569. Noted Feb. 16.

N. J., Freehold—Bd. Freeholders Monmouth Co., Court House, reconstructing Ocean Ave., Sea Bright and Monmouth Beach Boros, sheet asphalt, to J. J. Barrett, 147 Lafayette St., Trenton, $160,000. Noted Feb. 23.

N. J., Manasquan—Boro Council paving North Broad and Broad Sts. also portions of Main and South Sts., to J. F. Burke, 309 Park Ave., Plainfield, $63,446. Noted March 9.

N. J., Sea Bright—Paving Ocean Ave. from east end of Rumson Rd. southwardly, sheet asphalt, to Standard Bitulithic Co., 30 Church St., New York, $33,000. Noted Feb. 23.

N. J., Spring Lake—Boro Council reconstruction 3rd Ave., to Standard Bitulithic Co., 50 Church St., New York, $53,364. Noted March 2.

Pennsylvania—State Hy. Dept., Harrisburg, 10,707 ft. Route 61, Application 1590, Jefferson Co., to Austin Rankin Cooper, Idamar, $89,596; Route 18, Sect. 2, Northumberland Co., to Gregory Paving Co., 426 Electric Ave. Lewistown, $27,121. Noted March 9.

Pa., Phila.—Paving Master St. from 57th to 61st Sts., 48th St. from Parrish to Lancaster Aves., 54th St. from Vine St. to Girard Ave., to Barber Asphalt Paving Co., Land Title Bldg., $68,673.

Va., Virginia Beach—Paving and grading 8,100 ft. Atlantic Ave. from 17th St. to Beach Casino, 18 ft., to J. U. Addenbrooks Sons, Inc., 125 East 24th St., Norfolk, paving $1.96 per sq.yd., grading $0.40 per cu.yd. Noted March 16.

North Carolina—State Hy. Comn., Raleigh, grading and penetration macadam paving 5.96 mi. State Project 866, Polk Co., to Dunn & Woodall, Trust Co. of Georgia Bldg., Atlanta, Ga., $144,144, 4.49 mi. State Project 492, Warren Co., to Porter & Peck, Greenville, $86,840; grading and topsoiling 4.5 mi. State Project 724, Caldwell Co., to Caldwell Co. Rd. Comn., Lenoir, $24,440, rein.-con. bridges and culverts to R. M. Thurmond, Lynchburg, Va., $22,620, 3.07 mi. State Project 601, Alexander Co., to G. Ginn, Inc., Gastonia, $18,539, rein.-con. bridges and culverts to R. M. Thurmond, Lynchburg, Va., $13,000; grading and paving, 2 in. topeka on 5 in. concrete, 10 mi. State Project 903, Buncombe Co., to Asheville Paving Co., Asheville, $85,163; clearing, grading and waterbound macadam surfacing 11.85 mi. State Project 951, Jackson Co., to R. H. Wright & Son, Asheville, $189,250; grading, rein.-con. paving and rein.-con. bridges and culverts on 8 mi. State Project 588, Rockingham Co., to Cheatwood & Griscoll, Richmond, Va., $242,280. Noted Mar. 23.

Ga., Atlanta—Paving to Mac Dougal Constr. Co., Healey Bldg., 14,190 sq.yd. Marietta St. from Peachtree to Bartow Sts., $99,049, 3,675 sq. yd. Decatur St. from Peachtree to Ivy Sts., $25,652, foregoing with granite block on concrete; 19,305 sq.yd. Decatur St. from Ivy to Yonge Sts., concrete, $71,351.

Fla., Dade City—Comrs. Pasco Co., 31 mi. 6 in. rock compacted to 4 in. and 1 in. asphalt surface, and 100 mi. sand clay roads, to J. B. McCrary, 3rd Natl. Bank Bldg., Atlanta, Ga. Noted Feb. 2.

Fla., Jacksonville—Grading, curbing, guttering and paving 3,879 ft. Main St. from Phelps to 8th Sts., 19,630 sq.yd. 2 in. asphaltic concrete on 6 in. concrete and 553 ft. Main St. from Orange to Phelps St., 2,870 sq.yd. 2 in. asphaltic concrete on 6 in. concrete, to J. F. Morgan Paving Co., Woodward Bldg., Birmingham, Ala., $77,053 and $12,743 respectively. Jacksonville Traction Co., Riverside Ave., has double car tracks on latter project; in addition to yardage given above company will pave 10,000 sq.yd. vitr. brick on 8 in. concrete. Noted Sept. 1.

Fla., Orlando—Orange Co. brick paving with asphalt filler, 6 mi. road from Orlando to Winter Park and Seminole Co., to Lasley Bros. & Harvey Co., Chattanooga, Tenn., $160,495. Noted Mar. 9.

Fla., West Palm Beach—Ocean and Lake Realty Co., clearing, grading, curbing, laying sidewalks and paving 1 mi. road, 10,500 lin.ft. concrete curbing, 11,000 lin.ft. concrete sidewalks, to Greynolds & Monroe, West Palm Beach, $25,280.

Ala., Anniston—Paving 2 mi. Quintard and Noble Aves., asphalt on concrete, to Morgan Paving Co., Woodward Bldg., Birmingham, $75,000.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 5.82 mi. Sect. "C" Marysville-Kenton Rd., Hardin Co., to McArthur Co., Kenton, $123,259. Noted March 16.

O., Akron—Summit Co. paving Akron-Wadsworth Rd., bituminous concrete, to General Asphalt Paving Co., 1268 Dueber Ave. S. W., Canton, $75,840. Noted March 16.

O., Cleveland—Grading, curbing and paving London Rd., to H. G. Herring, Pavers Exch., Society for Savings Bldg., $29,236; East 118th St., to M. A. Ryan, Pavers Exch., Society for Savings Bldg., $21,119; East 146th and East 156th Sts., to Gould & Maybach, 823 East 150th St., $15,370 and $19,070 respectively; Otto Court, Schneider Ave. and West 99th St., to Roehl Bros., West 25th St. and Clark Ave., $4,799, $7,460 and $31,917 respectively; Rosewood Ave., to Fisher & Williams, Lorain Rd., West Park, $38,962; East 134th St., to A. M. Pejsa, Euclid Heights Blvd., Cleveland Height, $29,034; Irvington and Manor Aves., to Cleveland Trinidad Paving Co., The Arcade, $7,194 and $41,957 respectively; Marston Ave. and East 136th St., to W. McDowell & Son, 10309 Miles Ave., $32,038 and $22,261 respectively; East 126th St., to Baldwin Bros., 4500 Euclid Ave., $12,597; Castalia and Vashti Aves., East 112th and East 114th Sts., to Rieley Bros., The Arcade, $10,645, $6,782, $7,952 and $16,144 respectively. Noted March 23.

O., Columbus—W. H. Duffy, dir. Pub. Serv. grading curbing, laying water mains and paving 893 ft. Park St., asphalt and asphalt filler, to Asphalt Paving Co., Columbus, $23,300. Noted March 9.

O., Lakewood (Cleveland P. O.)—Paving Wascena Ave. and Bunts Rd., to W. E. McHugh, 3855 West 44th St., Cleveland, $107,428; Northland and Elbur Aves., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $43,272. Noted March 23.

O. Niles—Trumbull Co. (Warren) paving 1.51 mi. Sect. "T" I.C.H. 329, Warren-Sharon Rd., 14,270 sq.yd. brick asphalt filler on concrete, to J. De Jute, Niles, $61,-211.

Indiana—State Hy. Comn., Indianapolis, grading and concrete paving Federal Aid Project 6, Sect. D, to C. W. Clark Co., Clinton, $184,234; Federal Aid Project 13, Sect. B, to C. M. Kirkpatrick, Greenfield, $184,234; Federal Aid Project 13, Sect. C and Federal Aid Project 15, Sects A and B, to Williams & Little Co., 3365 Euclid Heights, Cleveland, O., $148,117 and $271,590 respectively; Federal Aid Project 13, Sect. D, to G. T. Miller, Lebanon, $123,-450. Noted Jan. 12.

Wis., Milwaukee—Paving Humboldt Ave. from Center to Locust St., creosoted block and concrete, also alley, concrete to J. Bluhm & Son, 164 Burleigh St. $9,173 and $1,126 respectively; Oakland Ave. from Folsom to Edgewood Sts., asphalt, to F. P. Coughlin Co., 888 Island Ave., $41,970; 7th St. from Lake St. to Green Bay Ave., asphalt, to Badger Constr. Co., 97 Wisconsin St., $36,118; South Bay St. from Lincoln to Conway Sts., and South Bay St. from Kinnickinnic to Lincoln Sts., both asphalt, to White Constr. Co., 68 Wisconsin St., $18,058 and $74,969 respectively; alley, concrete, to F. Schomann, 770 28th St., $482; 21 alleys, concrete, to Bodemann Constr. Co., 801 Winnebago St., $44,151.

Wis., Mondovi—Paving 2.5 mi. various streets, 24,219 sq.yd. one course rein.-con., concrete curbs and gutters, to Universal Eng. Co., Ingram Blk., Eau Claire, $68,930. Noted Feb. 2.

Wis., Viroqua—Paving Main and other streets, 15,523 sq.yd. one course rein.-con., to Lampert Constr. Co., 104 Main St., Oshkosh. $35,000. Noted March 2.

Wis., Waukesha—Waukesha Co. surfacing Genessee-Eagle Rd., to P. C. Kroeck Co., 1000 Humboldt Ave., Milwaukee, $156,-449; Prospect Mukwonago Rd., to McGucken Constr. Co., 92 Mason St., Milwaukee, $160,641. Noted March 16.

Wis., West Bend—Washington Co. will concrete surface Milwaukee-Hartford Rd., State Trunk Highway 29, by day labor. Bids rejected. Noted Jan. 26.

Wis., Wisconsin Rapids—Wood Co. Nekoosa—Port Edwards Rd., Project 235, to McCarthy & Krause, Wisconsin Rapids, 16,-396 sq.yd. concrete surfacing $1.30, etc., total $32,233; Milladore-Blenker Rd., Project 232, to A. Larson & Co., 414 Main St., Eau Claire, 23,622 sq.yd. concrete surfacing $1.38 etc., total $38,707; Arpin-Vesper-Seneca Corners Rd., Project 284, to C. Hilberg, Marathon, 28,311 cu.yd. earth excav., $0.85, etc., total $26,327, other items to Wausau Iron Works, Wausau, 110.24 cu. yd. concrete in culverts, $20, 96,573 sq.yd. concrete surfacing, $1.34, 43,823 lb. reinforcing in pavement $0.03, total $177,-549. Noted Mar. 16.

Ia., Boone—Paving 13 mi. streets, 24-50 ft., 98,000 sq.yd. asphalt paving and 42,000 sq.yd. reconstruction, to Bryant Asphalt Paving Co., Waterloo, $2.46 per sq.yd. Noted March 9.

Ia., Independence—Buchanan Co., grading and paving 15.56 mi. Grant Highway, east and west of here, to Western Asphalt Paving Co., 1st and Nebraska St., Sioux City, 52,015 cu.yd. excav., $0.45 per cu. yd., 164,330 sq.yd. Type A, concrete pavement, $2.43. Noted March 2.

Streets and Roads (Continued)

Ia., Onawa—Monona Co., grading 9.5 mi. Mapleton-Ute Rd., 63,795 cu.yd. excav. to Ryan Bros., Ft. Dodge, $0.20 per cu.yd.; 5 mi. Onawa-Soldier Rd., 68,939 cu.yd. excav., to C. C. Persinger, Onawa, $0.1775 per cu.yd.

Ia., Washington—Paving 39 blocks, 33,512 sq.yd. rein.-con., to P. C. Flutter, 1229 East 12th St., Des Moines, $2.27 per sq. yd. Noted Feb. 16.

Minn., Pipestone—Pipestone Co., Job 2201, State Rd. 2, Div. B and C, graveling to C. D. Jones, Sioux Falls, S. D., $29,807; grading to D. Ryan, Marshall $34,441; concrete culverts to E. and W. Nichols, Woodstock, $4,576. Noted Feb. 23.

Kan., Salina—Paving State, 11th, Wilson, Bond, Baker, Ohio, 9th and Republican Sts., 3 in. vertical fibre brick, to Smith Graham Constr. Co., Augusta, $113,218. Noted Feb. 23.

Missouri—State Hy. Dept. at div. office Eminence, 4,006 mi. road from Winona eastward and westward, State Aid Project 20.92, Shannon Co., to Coopers Constr. Serv. Co., St. Louis, $19,088. Noted March 23.

Mo., Kansas City—Paving Linwood Blvd. from Indiana to Poplar Aves., 20,800 sq.yd. bituminous macadam, to Spitcaufsky Bros., 25th and Baltimore Aves., $67,984.

Nev., Reno—Grading, paving and surfacing Belmont Rd., California, Evans and Wheeler Ave., Plumas, Chestnut, Ralston, West 2nd, East 10th, 8th, West, West 4th, Vine, Elm, East Mill and Cheney Sts., to Clark-Henery Constr. Co., 38 South Sutter St., Stockton, Cal., 55,756 sq.yd. 1½ in. asphaltic concrete on 3½ in. asphaltic concrete, at $1.89 per sq.yd., 28,628 sq.yd. 2 in. asphaltic concrete on redressed macadam, at $0.72 per sq.yd., total $125,991. Noted Feb. 23.

Cal., Fairfield—Supervs. Solano Co., grading and paving 6.5 mi. road between Suisun and Cordelia, to United Constr. Co., Vallejo, $127,356. Noted Mar. 16.

Cal., San Diego—Paving Grim Ave. and Wightman St., to G. R. Daley, Owl Drug Bldg., 180,034 sq.ft. 1½ in. topeka on 3 in. asphaltic concrete, $0.199 per sq. ft., etc., total $41,961. Noted March 2.

Cal., Santa Cruz—Supervs. Santa Cruz Co., concrete paving 3.5 mi. road Ben Lomond to Boulder Creek Rd., 8,800 cu.yd. excav., 4,215 cu.yd. concrete pavement, to Cowden-Broderick Co., Hearst Bldg., San Francisco, $67,258; 3.929 mi. Watsonville-Chittenden Rd., 10,100 cu.yd. excav., 5,120 cu.yd. concrete pavement, to W. A. Dontanville, Hollister, $81,926.

Cal., Seal Beach—Paving with asphaltic concrete on bituminous base 10th, 11th, 12th, 13th, 14th and Dolphin Sts., to Fairchild-Gilmore-Wilton Co., Los Angeles Ry. Bldg., Los Angeles, $51,000. Noted Feb. 23.

Industrial Works

PROPOSED WORK

Mass., Worcester—Am. Steel & Wire Co., Grove St., plans 1 story, 60x100 ft., brick and steel electric galvanizing plant, Cemetary St. C. E. Goodrich, c/o owners, engr.

R. I., Providence—Dept. Pub. Bldgs. plans 2 story central heating plant for municipal buildings and schools in center of city. $350,000.

Conn., New Haven—Natl. Filter & Cloth Weaving Co., 57 Hope St., Brooklyn, N. Y., having plans prepared by W. O. Tate, archt., Bronxville, N. Y., 1 story, rein-con., brick and steel factory, Dixwell Ave., and Mather Sts., here. $50,000.

Conn., Torrington—Amer. Brass Co., Waterbury, plans rolling mill at Water St. plant here. Private plans.

N. Y., Little Falls—Barnet Leather Co., Inc., 598 East Mill St., plans 3 story, brick, concrete and steel addition to plant, $200,000. Address E. L. White, genl. Mgr.

N. Y., Lockport—Wickmire Limestone Co., Gasport, will rebuild plant (which was recently destroyed by fire) here. $50,000.

N. Y., Long Island City—Ronzonni Macaroni Co., 612 Jackson Ave., plans 5 story, brick, steel and concrete factory addition, plain foundation. Architect not selected.

N. Y., New York—Gotham Silk Hosiery Co., 516 5th Ave., plans brick and concrete factory, plain foundation, 33rd St. and 1st Ave. $250,000.

N. Y., New York—Block & Hesse, archts. and engrs., 18 East 41st St., soon let contract 3 story, 75 x 100 ft., brick, steel and concrete garage, plain foundation, West 108th St. $85,000. Owner's name withheld.

N. Y., New York—M. I. St. John, c/o G. Keister, archt. and engr., 56 West 45th St., soon lets contract 4 story, brick, steel and concrete garage, plain foundation. Grand Concourse and 174th St. $125,000. Noted March 9.

N. Y., North Tonawanda—Becker Moore & Co., Tonawanda Island, having plans prepared 1 story, 100 x 200 ft., concrete, brick and steel factory, Tonawanda Island. $75,000.

N. Y., Syracuse—Franklin Auomobile Co., 302 South Geddes St., plans new plant. H. H. Franklin, pres.

N. J., Camden—Lackey & Hettle, archts., 5 Hudson St., soon take bids 1 story, 150 x 160 x 175 ft. sales and service building, rein.-con., brick and steel, plain foundation, Federal and Newton Sts., for Studebaker Sales Co., c/o architect. $65,000.

N. J., Frenchtown—Making plans extending light and power plant. Causbey Eng. Co., 1011 Chestnut St., Phila., engrs.

N. J., Montclair—Montclair Rink & Ice Co., c/o G. Backhoff, archt. and engr., 9 Clinton St., Newark, having sketches made 1 story, 125 x 250 ft. ice plant and skating rink, brick, steel and concrete, plain foundation. $200,000.

In March

We published 320 tips on industrial expansion as follows:

Proposed work	149
Bids desired	41
Bids received	3
Contracts awarded	127

Increased industrial construction reflects increasing confidence in tomorrow.

Pa., Pittsburgh—Hardie Bros., 1601 Liberty Ave., having preliminary sketches made by J. L. Beatty, archt., Jackson Bldg., 5 story (ultimately 7 story), 135 x 350 ft. brick, steel and tile factory, Pike and 13th Sts. $150,000.

Va., Norfolk—Atlantic Iron Wks., Water St., plans to rebuild plant on Southampton Ave. which was recently destroyed by fire. Loss $250,000. F. H. Masi, pres.

Fla., Milldale (Jacksonville P. O.)—Putnam Lumber Co. plans to rebuild sawmill. Loss $140,000.

O., Cleveland — Hearthstone Bldg., Co., 791 The Arcade, having plans prepared by Best & Hoefler, archts., Vickers Bldg., 2 story, 55 x 200 ft. garage and commercial building, brick and steel, plain foundation, 8514 Carnegie Ave. $60,000.

O., Cleveland—Penton Pub. Co., R. E. Power, treas., East 12th St. and Chestnut Ave., having plans prepared by F. Chase, archt., 645 North Michigan St., Chicago, 9 story, 135 x 135 ft., brick, steel and concrete publishing plant, West 3rd St. and Lakeside Ave. $500,000. G. F. Burrows, 627 Hanna Bldg., engr.

O., Cleveland—Saginaw Bay Lumber Co., c/o C. H. Prescott, 2106 West 3rd St., plans six 1 and 2 story, brick and timber mill sheds, office and garage, plain foundations, Harvard Ave. and East 42nd St. $150,000. Private plans.

O., Youngstown—Kalman Co., 42 West Monroe St., Chicago, had plans prepared 400 x 420 ft. (in 3 units) steel fabricating plant, steel frame corrugated siding, Poland Ave., here. $200,000. Foundations completed. Private plans.

Mich., Detroit — Smith, Hinchman & Grylls, archts., 710 Washington Arcade, opens bids about April 3, for 3 story, 70 x 140 ft. bakery, rein.-con., brick and steel, plain foundation, Merrick Ave., for Mills Baking Co., 5165 4th St. $40,000. Noted March 2.

Ill., Dixon—E. R. Watts plans 1 story, 54 x 150 ft. garage, brick and rein.-con. $40,000. Private plans.

Ill., East St. Louis—Union Electric Light & Power Co., 12th and Locust St., St. Louis, Mo., plans Cahokia Steam Power Plant, near here, initial capacity 60,000 kw., ultimate capacity 240,000 kw. $6,000,000. McClellan & Junkersfeld, Inc., 45 William St., New York, engrs.

Ill., Glen Ellyn—O. Smiller, 520 Crescent Blvd., having plans prepared 2 story, 60 x 150 ft. garage, rein.-con., brick and stone. $40,000. Private plans.

Ill., Harrisburg—O. O. Cummins Garage and Repair Shop having plans prepared 1 story, 80 x 160 ft. garage, brick, steel and concrete. $40,000. Private plans.

Wis., Eau Claire—E. Peterman, 312 Gibson St., completing plans 1 story, 50 x 105 ft. dry cleaning plant, brick, rein.-con. and steel, plain foundation, Chippewa St. $50,000. Private plans.

Wis. Manitowoc—A. M. Richter Sons Co., South 8th and Madison Sts., having plans prepared by L. I. Pentzien, archt., Savings Bank Bldg., 3 story, 70 x 82 ft. vinegar plant, brick and rein.-con., plain foundation, South 9th and Grand Sts. $65,000.

Wis., Milwaukee—Lincoln Warehouse & Van Co., 226 4th St., had plans prepared by G. H. Leipold, archt., 160 Martin St., 6 story, 120 x 160 ft. warehouse, rein.-con. and brick, wood pile foundation, 3rd and Prairie Sts. Architect taking bids on excavating and piling. $250,000.

Wis., Park Falls—Flambeau Paper Co. having plans prepared by T. W. Orbison, archt., 812 College Ave., Appleton, 2 story, 75 x 150 ft., brick and rein.-con. mill, plain foundation. $100,000.

Minn., Minneapolis—Fulton Bag & Cotton Mills, 643 Security Bldg., having plans prepared by Klees & Colburn, archts., 245 Plymouth Bldg., 3 story, concrete and brick factory and administration building, East Hennepin Ave. and Taft St. $300,000.

Minn., Minneapolis—B. W. and L. Harris Co., 2407 University Ave. S. E., having plans prepared 3 story, brick and concrete factory and warehouse, University Ave. S. E. and 24th Ave. $200,000. Architect not announced.

Minn., Minneapolis—Norwegian Lutheran Deaconess Hospital, 2312 15th Ave. S., having plans prepared by Magney & Tusler, archts., 126 South 9th St., 2 story, 45 x 75 ft., rein.-con., brick, stone and steel power house, laundry and dormitory, 15th Ave. S. and 24th St. $45,000. F. Paulson, supt.

Minn., St. Paul—Roe-James Glass Co., 109 East 9th St., plans 4 story, 50 x 190 ft., rein.-con., brick, tile and stone factory and office, 8th St. near Minnesota St. $150,000. Architect not announced. Will probably be built in 1923.

Mo., East Joplin (Joplin P. O.)—Wilhoit Oil Co., 718-21 Woodruff Bldg., Springfield, plans 1 story refinery, steel, here. $100,000. Private plans.

Mo., Jefferson City—Automatic Water Pump Mfg. Co., 236 East High St., having plans prepared six or seven 1 story, rein. Con., brick and stone factory buildings. $100,000. B. F. Schuetz, pres. Private plans.

Mo., St. Louis—Johnson Automobile Co., 3667 Olive St., having plans prepared by W. P. McMahon, archt., Title Guaranty Bldg., 2 story, 50 x 52 ft., rein.-con., brick and stone garage. $45,000.

Mo., St. Louis—Lecoutour Bros. Stair Mfg. Co., 4523 Shaw Ave., having plans prepared by E. H. Nieman, archt., 3816 Shaw Ave., 2 story planing mill brick, concrete and stone, Shaw Ave. $50,000.

Cal., Colusa—California Prune and Apricot Growers Assn., Market and San Antonio Sts., San Jose, having plans prepared 1½ story packing plant, rein.-con. or hollow tile, steel frames, in Coopers 2nd Extension, here. $125,000. Private plans.

Ont., Bridgeburg — St. Thomas Packing Co., St. Thomas, plans cold storage plant in Crowland Sect. $50,000. Private plans.

Ont., Leaside — Durant Motors of Canada, 1011 Royal Bank Bldg., Toronto, plans 3 story, 80 x 600 ft., concrete, brick and steel factory. $400,000. Private plans.

Ont., Niagara Falls — Brant Creameries Co. plans 2 story, 40 x 80 ft. concrete, brick and steel factory, Simcoe St. Cost to exceed $50,000. Architect not announced.

Ont., Oshawa—Morson, Boswell & Co., 64 Wellington St., Toronto, plans to rebuild 3 story rubber plant, concrete and brick, recently destroyed by fire. $100,000. Architect not selected.

Que., Hull—Canadian Automobile Corp., 197 Sparks St., Ottawa, Ont., having plans prepared by C. A. Fox, archt., 394 Harvard St., Montreal, for factory in Lamontagne Park, here. $50,000.

BIDS DESIRED

Conn., Hartford—Buck & Sheldon, Inc., archts. and engrs., 60 Prospect St., receiving bids and opens same about April 6, 4 story, 80 x 400 ft. and 80 x 100 ft., brick and steel factory, plain foundation, Windsor Ave., for Fuller Brush Co., Asylum St. $400,000. Noted Sept. 8.

Pa., Phila.—F. E. Haher, archt., 1112 Chestnut St., receiving bids 54 x 95 ft. rein.-con., brick and steel factory, Erie Ave. and 21st St., for Hensel-Colliday Co., 12th and Wood Sts. $75,000.

Pa., Phila.—I. W. Levine, archt., Victory Bldg., receiving bids 3 story, 22 x 185 ft. rein.-con., brick and steel warehouse and and store, plain foundation, 312 South 4th St., $85,000. Owner's name withheld.

Industrial Works (Continued)

Ill., Chicago—N. Forte & Bros., 2059 Ogden Ave., receiving bids 1 story, 100 x 124 ft. garage, rein.-con., brick and steel, 251-57 North Crawford Ave. $50,000. J. T. Fortin, 600 Blue Island Ave., archt.

Wis., Cudahy—H. Paulu, archt., St. Francis, (Milwaukee, P. O.), taking bids 1 story, 60 x 120 ft., brick and concrete garage, plain foundation, Packard Ave., for L. Odry, 1211 Packard Ave.

Wis., Madison—G. Nelson, 1117 West Johnson St., taking bids 1 story, 110 x 152 ft., brick, rein.-con. and steel garage and repair shop, plain foundation, Johnson St. $40,000. A. E. Small, Ellsworth Bldg., archt.

Wis., Merrill—Merrill Buick Co. receiving bids and opens same about April 5, 1 story, 50 x 122 ft. garage and repair shop, brick and rein.-con., plain foundation, Main St. $40,000. Private plans. Noted Feb. 23.

Ia., Waterloo—Henschien & McLaren, archts., 1637 Prairie Ave., Chicago, receiving bids 4 story, 90 x 90 ft. engine room and shipping building, rein.-con., brick and steel, here, for Rath Packing Co. $200,000. Noted March 16.

Mo., Fulton—See "Buildings."

Mo., St. Louis—Downtown Garage Co., 1919 Boatmen's Bank Bldg., taking bids 3 story, 75 x 84 x 259 ft., brick and stone garage, 4th St. $200,000. Eames & Young, Arcade Bldg., archts.

CONTRACTS AWARDED

Mass., East Douglass—Hayward Woolen Co., North Main St., 2 story, 48 x 126 ft. and 68 x 150 ft. mill construction, dye house and picker building, to L. E. Locke Co., Bay State Bldg., Lawrence. $100,000.

Mass., Woronoco—Strathmore Paper Co., Mitteneague, 4 story, 25 x 210 ft., rein.-con. and brick storage plant, plain foundation, here, to E. F. Carlson Co., 244 Main St. Springfield. $100,000.

R. I., Providence—Colwell Worsted Mills, 204 Hartford Ave., 2 story, 55 x 200 ft. brick and steel mill building, 1 story, 46 x 80 ft. dye house, 1 story, 25 x 45 ft. machine shop, 1 story, 45 x 60 ft. boiler house and 1 story, 35 x 45 ft. shipping building, to C. I. Bigney Constr. Co., 357 Westminster St.

Conn., East Hartford (Hartford P. O.)—T. Shannon, Russell St., South Manchester, 1 story, 80 x 100 ft. garage and service station, concrete, brick and steel, plain foundation, Connecticut Blvd., here, to Aceto, Smith & Co., South Manchester. $40,000. Noted Mar. 2.

Conn., Georgetown—Gilbert & Bennett Mfg. Co., 3 story, 52 x 150 ft., brick and steel addition to plant, plain foundation, to T. S. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. $75,000.

N. Y., Binghamton—E. T. Gaige, 235 Vestal Ave., brick, steel and concrete machine shop, repair and storage building, State St., to Clark & Yaples, Rossville, $40,000.

N. J., Camden—Ballinger Co., archts. and engrs., 12th and Chestnut Sts., Phila., 7 story, 57 x 61 x 199 x 220 ft., rein.-con., brick and steel factory, Federal St., here, to B. H. White Co., 1713 Sansom St., Phila., for J. B. Van Scriver Co., Front and Federal Sts. $600,000. Noted Feb. 23.

N. J., Jersey City—Goodman Warehouse Co., Bayonne Ave., 6 story, rein.-con., brick and steel warehouse, to Longacre Constr. Co., Widener Bldg., Phila., $325,000.

N. J., Merchantsville—W. Hinck, c/o Norton Mfg. Co., 1 story, 60 x 175 ft., brick and timber factory, plain foundation, Union Ave., to M. T. James, Merchantsville, $40,000.

Pa., Phila.—Cambria Silk Hosiery Co., East Cambria St., 2 story, 53 x 53 x 119 x 184 ft. rein-con., brick and steel factory, plain foundation, London and Mascher Sts., to W. Steele & Sons, 1600 Race St.

Pa., Phila.—McCallum Silk Hosiery Co., 377 Dwight St., Northampton, Mass., 3-story, 85 x 174 ft. rein.-con., brick and steel plant, plain foundation, to W. W. Lindsey & Co., Harrison Bldg., $90,000.

Pa., Phila.—L. T. Olb, c/o H. T. Saunders, 38 16th St., will build 1 story 124 x 151 x 260 ft. garage, Watts and Ridge Aves., by day labor. $75,000. H. T. Weldon, 10 South 18th St., archt.

O., Cleveland—Parker Electric Co., 1839 Euclid Ave., 2 story, 41 x 80 ft., brick and timber factory and office building, plain foundation, 4502 Prospect Ave., to G. A. Rutherford Co., 2725 Prospect Ave., $40,000.

Wis., Milwaukee—Sewerage Comn., City Hall, structural steel for main power house and boiler plant on Jones Island, to Milwaukee Bridge Co., 1400 34th St., $27,264. Noted March 16.

Wis., Oshkosh—R. Lutz, 1270 Knapp St., 2 story, brick and concrete garage, plain foundation, to Badger Constr. Co., 163 Marion St., $40,000.

Wis., Sheboygan—H. C. Prange Co., 8th St. and Wisconsin Ave., general contract 3 story, 65 x 90 ft. power and heating plant, brick, steel and rein.-con., plain foundation, to Lake Shore Constr. Co., 805 Michigan Ave. Noted March 2.

Wis., Sheboygan—Sheboygan Gas Co., 618 North 8th St., general contract 1 story, 42 x 146 ft. gas plant, brick, rein.-con. and steel, plain foundation, 8th St., to H. Loesing, Jr., 1909 North 11th St. Noted Feb. 23.

Wis., South Milwaukee—Bucyrus Co. 1 story, 100 x 268 ft., brick and steel foundry, plain foundation, to P. Riesens Sons, 1018 Humboldt Ave., Milwaukee; steel to Warden-Allen Co., Port Washington Rd., Milwaukee. Noted Feb. 23.

Mo., St. Louis—United Ry. Co., c/o R. Wells, receiver, 39th and Park Sts., 2 story, 50 x 72 ft. warehouse and 1 story, 80 x 208 ft. repair shop, brick and steel, Bway and Taylor Ave., to Gamble Constr. Co., 620 Chestnut St. Noted Dec. 1.

Cal., Yountville—State will build 1 story, rein.-con. power house, Veterans Home, here, by day labor. $40,000. G. B. McDougall, Forum Bldg., Sacrameno, state archt.

Ont., Dunnville—Dominion Hammock Co., 2 story, 60 x 150 ft. concrete, brick and steel factory, to Canadian Eng. & Contg. Co., Ltd., 72 James St. N., Hamilton. $50,000.

Buildings

PROPOSED WORK

Mass., West Somerville (Boston P. O.)—High School—Bd. Educ. plans 3 story addition to Junior High School. $175,000. Architect not announced.

Conn., Winsted—Theatre and Business—W. H. Moseley, Greenwood Rd., Norfolk, plans 1 and 2 story, brick, Main St., here. $150,000. Architect not announced.

N. Y., Adams—School—Bd. Educ. plans new school. $200,000. Address O. D. Greene, pres. Architect not selected.

N. Y., Attica—High School—Bd. Educ. plans high school, modern fireproof construction. $300,000.

N. Y., Buffalo—Dormitory—Felician Sisters O. S. F., 143 Crocker Sln., plans orphanage dormitory at estate of Our Lady de Lourdes Sanitarium Villa Maria, Pine Ridge Rd, $175,000 to $200,000. Address Mother Mary Jerome.

N. Y., Canton—Office—Bd.Supervs. St. Lawrence Co. had plans prepared by S. D. P. Williams, archt., for new county clerk's office. $250,000. Address W. W. Haile, clk.

N. Y., New York—Bank and Office—Greenwich Bank, 402 Hudson St., soon takes bids 10 story, brick, steel and stone, plain foundation, 224 West 45th St. G. F. Pelham, 200 West 72nd St., archt. and engr.

N. Y., New York—Hotel—I. Flugelman, c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared 15 story, brick, steel and stone, plain foundation, Madison Ave. $3,500,000.

N. Y., New York—Office and Class Room—New York University, 32 Waverly Pl., having plans prepared by W. S. Gregory, archt. and engr., 1170 Bway., altering 14 story, brick, steel and stone, 32 Waverly Pl. $400,000.

N. Y., New York—Office and Loft—Kaumagraph Co., 209 West 38th St., having plans prepared by J. F. Jackson, archt. and engr., 1819 Bway., brick, steel and stone, plain foundation, 350 West 31st St. $350,000.

N. Y., New York—Office and Store—C. Fisher, 2211 Bway., soon takes bids 12 story, 81 x 111 ft., brick, steel and stone, plain foundation, 56 Cooper Sq. $500,000. W. K. Benedict, 126 East 59th St., archt. and engr.

N. Y., Penn Yan—Hospital—Penn Yan Memorial Hospital Comm. having plans prepared by E. F. Stevens, archt., 9 Park St., Boston, 3 story, 40 x 45 x 105 ft., brick and concrete. $175,000-$200,000. Address W. N. Wise, 319 Main St., chn.

N. Y., Rochester—Bank—Natl. Bank of Commerce, State St., plans to remodel present bank and take over neighboring buildings for enlargement. $500,000. J. F. Warner, Granite Bldg., archt.

N. Y., Rochester—Temple—Rochester Labor Temple Assn. plans 4 story, 59 x 59 ft., brick and stone, North Fitzhugh St. $150,000. Private plans.

N. J., Camden—Apartment—Lackey & Hettle, archts., 5 Hudson St., soon take bids 3 story, 200 x 200 ft., rein.-con., brick and steel, plain foundation. $350,000. Owner's name withheld.

N. J., Hoboken—Bank and Office—Second Natl. Bank, 79 River St., having sketches made by Crow, Lewis & Wick, archts. and engrs., 200-5th Ave., New York. Brick, steel and stone addition, plain foundation, River St.

N. J., Trenton—Clubhouse—J. O Hunt, archt., 219 East Hanover St., takes bids about April 4, 3 story 80 x 200 ft., East State St., for Knights of Columbus, 221 North Warren St. $300,000

Pa., Easton—High School—Bd. Educ., c/o R. E. Piefer, West 2nd St., having plans prepared by Mischler & Snyder, archts., Easton, and H. C. Richards, associated archt., 608 Chestnut St, Phila., and soon receives bids 3 story, 200 x 250 ft., rein.-con., brick and steel, plain foundation $500,000.

Pa., Erie—Court House—Erie Co. takes bids about April 11, for new court house. $500,000. W. Frank, Erie, archt. Noted Dec. 1.

Pa., Phila.—Bank and Office—Girard Trust Co., Broad and Chestnut Sts., having plans prepared by McKim, Mead & White, archts. and engrs., 101 Park Ave., New York, brick, steel and stone, plain foundation, Broad St. $500,000.

Pa., Phila.—Store and Office—T. B. Martindale, 3437 North Broad St., takes bids early this year 8-10 story, 100 x 265 ft. rein.-con., brick and steel, plain foundation, Broad and Allegheny Aves. $1,000,000. Architect not selected.

D. C., Wash.—Science Hall and Office—National Research Council, 1201 16th St., N. W., soon lets contract science hall and office, 22nd and B Sts., N. W. $2,000,000. B. G. Goodhue, 2 West 47th St., New York, archt. Noted Sept. 8.

Ga., Atlanta—Apartment—Southern Development Co. had plans prepared by W. J. Wilkins, archt., Wilmington, N. C., 9 story, rein-con. tile and brick, wood pile foundation, near Piedmont Park, $900,000.

Ga., Atlanta—Schools—Having plans prepared by A. T. E. Brown, archt., Forsyth Bldg., 3 story, senior boys high school, Piedmont Park, $750,000; 3 junior high schools $600,000; 2 senior high schools $150,000; additions and replacements to schools $910,000; combination junior-senior high school for colored children, $350,000; elementary schools for colored children, $640,000. Total $4,000,000.

Fla., Ft. Myers—Hotel—Franklin Arms Hotel Co. having plans prepared by B. C. Bonfoey, archt., Room 12, Petteway Bldg., Tampa, 8 story, 50 x 80 ft., rein.-con. and brick, wood pile foundation. $200,000.

Ala., Birmingham—High School—Bd. Educ. opens bids about April 20, 2nd unit Phillips High School 3 story, 8th Ave. N. $500,000. D. O. Whilden, Birmingham, archt.

Ala., Birmingham—Synagogue—Congregation Beth-El plans church, Highland Ave. $150,000. J. Levine, pres.

Tenn., Nashville—Bank—Caldwell & Co., 214 Union St., having plans prepared by Marr & Holman, archts., Stahlman Bldg., 10 story, 4th and Union Sts. $500,000.

Tenn., Nashville—Capitol Annex and Memorial—State of Tennessee, city, and Davidson Co., having plans prepared by E. P. Daugherty, archt., Stahlman Bldg., for capitol annex and memorial building.

Tenn., Nashville—High School, etc.—Diocese of Nashville, c/o T. S. Byrne, bishop, 2001 West End Ave., plans high school to contain gymnasium and swimming pool, 20th and West End Aves. $150,000. Architect not selected.

Ky., Lexington—City Hall—Having plans prepared by F. L. Packard, archt., Hayden Bldg., Columbus, O., brick and stone. $500,000.

O., Andover—High School—Bd. Educ. takes bids about April 1, 2 story, 12 room, brick, plain foundation. $150,000. R. F. Medicus, 287 Crandall Ave., Youngstown, archt. Noted March 23.

O., Cleveland—Apartment—J. P. Stotter, 4319 Prospect Ave., having plans prepared by S. H. White, archt., 1032 Schofield Bldg., 3 story, 100 x 220 ft., brick, steel and concrete, East Blvd. and Superior Ave. $300,000.

O., Cleveland—Commercial and Market—Pearl-State Rd. Market Co., c/o C. Kamp, pres. Euclid-46th St. Market, having plans prepared by A. E. Keller, archt., 1298 Carlyon Rd., 2 story, 200 x 200 ft., brick, steel and concrete, Pearl and State Rds. $250,000.

O., Cleveland—Commercial, Office and Apartment—J. Novobroder, 1173 East Blvd., having plans prepared by A. F. Janowitz, archt., Permanent Bldg., 2 story, 116 x 240 ft., brick and timber, East 79th St. and Hough Ave. $175,000.

O., Cleveland—Studio—J. Bergh, 316 Sloan Bldg., plans 1 story, 75 x 150 ft.,

Buildings (Continued)

brick and steel, S. O. M. Center Rd. $250,000. Architect not selected.

O., Columbus—Hospital—Columbus Cancer Hospital, 344 East State St., having plans prepared by several architects, 1st units, 5 story, 62½ x 62½ ft., brick, steel and concrete. $150,000.

O., North Canton (Canton P. O.)—Clubhouse and Auditorium—W. H. Hoover, pres. Hoover Suction Sweeper Co., having plans prepared by Graham, Anderson, Probst & White, archts., Ry. Exch. Bldg., Chicago, 2 story, brick, steel and concrete, $200,000.

Mich., Detroit—Office—Cass Bldg. Co., 406 Hammond Bldg., having plans prepared by Merritt, Harrison & Turnock, archts., 500 Bd. Trade Bldg., Indianapolis, Ind., 16 story, 100 x 150 ft. rein.-con., brick and steel, Cass Ave. $1,300,000. F. E. Miller, pres.

Ill., Chicago—Apartment—S. N. Crowen, archt., 400 North Michigan Blvd., soon receives bids 12 story, rein.-con., brick and steel, on Lake Shore Dr. $2,000,000. Owner's name withheld.

Ill., Chicago—Apartment—E. J. Little, 6542 North Ashland Ave., soon receives bids 3 story, 56 x 120 ft., rein.-con., brick and steel, Ashland and Wallen Ave. $300,000. Ohrenstein & Hild, 30 East Ontario St., archts.

Ill., Chicago—Apartment—P. F. Olsen, archt., 127 North Dearborn St., preparing plans and soon receives bids 3 story, 56 x 125 ft., rein.-con., brick and steel, Kimball and Ainslee Sts., for J. J. Johnson, 8115 Dorchester Ave. $200,000.

Ill., Chicago—Apartment—Rissman & Hirschfield, archts., 139 North Clark St., soon receive bids 3 story, 112 x 165 ft., rein.-con., brick and steel, Belmont Ave. and Bway. $250,000. Owner's name withheld.

Ill., Chicago—Hotel—A. R. Jones Syndicate, c/o Marshall & Fox, archts., 721 North Michigan Blvd., preparing plans 21 story hotel, Jackson and Clinton Sts. $5,000,000. Noted Dec. 30, 1920.

Ill., Chicago—Office—W. W. Ahlschlager, archt., 65 East Huron St., prepared plans and soon receives bids remodeling Masonic Temple, 19 story, Randolph and State Sts. $1,500,000. Owner, c/o architect.

Ill., Chicago—Store—Wolf Furniture Co., 3237 Lincoln Ave., plans 6 story, 48 x 200 ft., rein.-con., brick and steel, 3165 Lincoln Ave. $500,000. Architect not selected.

Ill., Chicago—Theatre, Store and Office—H. C. Crane, archt., 127 North Dearborn St., preparing plans and soon receives bids 2 story, 117 x 142 ft., rein.-con., brick and steel. Roosevelt Rd. and Kominsky Ave. $400,000. Owner's name withheld.

Ill., Chicago — Lowe & Bollenbacker, archts., 108 South La Salle St., soon receives bids 4 story, 125 x 140 ft., rein.-con., brick and steel, 53rd and Dorchester Sts., for Y. M. C. A., c/o architects. $350,000. Noted March 9.

Ill., Evanston — Church — W. C. Jones, archt., 19 South La Salle St., Chicago, soon receives bids 1½ story, rein.-con., brick and steel, here, for English Lutheran Church, c/o architect. $200,000. Noted Feb. 23.

Ill., Joliet—Apartment—Hotel—D. H. Burnham & Co., archts., 209 South La Salle St., Chicago, preparing plans and soon receives bids 9 story, 49 x 120 ft., rein.-con., brick and steel, on Western and Pine St., here, for M. Walker, 110 John St. $400,000.

Wis., Green Bay—Lodge—Green Bay Columbus Club, Sheridan Bldg., will receive sketches until April 30, 2 story, 120 x 135 ft., brick, rein-con. and steel, Jefferson St. C. Bong, Sheridan Bldg., chn. Architect not selected.

Wis., Madison — Education — State Bd. Educ., c/o M. E. Fitzpatrick, secy., Capitol Bldg., plans 4 story, 60 x 150 ft., brick, rein.-con. and steel, plain foundation. $150,000.

Wis., Manitowoc—High School—Bd. Educ. will sell $350,000 bonds March 31, 3 story, 240 x 419 ft., brick, rein.-con. and steel, plain foundation. Perkins-Fellow-Hamilton, 814 Tower Court, Chicago, archts.

Wis., Mazomanie—High School—Union Free High School Dist. plans to vote on $150,000 bonds 2 and 3 story, 60 x 155 ft., brick, rein.-con. and steel, plain foundation. Architect not selected.

Wis., Milwaukee—Apartment—O. Brachman, 425 East Water St., having plans prepared by M. Tullgren & Sons, archts., 425 East Water St., 3 story, 80 x 162 ft., brick, tile and concrete, plain foundation, Hathaway St. $150,000.

Wis., Milwaukee — Business—Marggraff Bros., 2303 Cold Spring Ave., having preliminary plans prepared by M. Tullgren & Sons, archts., 425 East Water St., brick and concrete, plain foundation, 3rd St. $150,000.

Wis., Milwaukee—Sales—Sixth Street Garage Co., c/o M. Tullgren & Sons, archts., 425 East Water St., making plans 5 story, 100 x 150 ft., rein.-con. and brick, plain foundation, 6th St. $225,000.

Wis., Milwaukee — Store and Office — Backes & Pfaller, archt., 216 West Water St., opens bids about April 5, 3 story, 100 x 148 ft., brick and concrete, plain foundation, Sycamore St., for Zingen & Braun, 548 12th St. $150,000.

Wis., Racine—Arcade—K. M. Vitzthum Co., archts., 21 West Van Buren St., Chicago, soon takes bids 6 story, 70 x 240 ft., brick, rein.-con. and steel, for S. Skulte, c/o architects. $300,000.

Minn., Minneapolis — See "Industrial Works."

Mo., Fulton—College—Westminster College having plans prepared by M. F. Bell, archt., Fulton, 3 story, 40 x 65 ft. and 65 x 108 ft., rein.-con., brick, stone and steel. $150,000.

Mo., Liberty — High School—Bd. Educ. having plans prepared by C. A. Smith, archt., 602 Finance Bldg., Kansas City, 3 story, rein.-con., brick and stone. $150,000. Noted Aug. 11.

Mo., St Louis—Office, etc.—Levering Investment Co., J. R. Whittshore, pres., Pierce Bldg., having plans prepared by J. J. Bradshaw, archt., International Life Bldg., 3 story, 100 x 150 ft. office, warehouse and shop, brick, steel and stone, 12th and Gratiot Sts. $150,000.

Tex., Greenville—High School, etc.—Voted $150,000 bonds new high school and ward school. J. R. Nichols, mayor.

In March

We published 847 tips on new commercial building construction:

Proposed work	383
Bids desired	208
Bids received	30
Contracts awarded	226

More work—more opportunities —read these pages.

Cal., San Francisco—Apartment—Capo di Monte, c/o T. P. Ross, archt., 310 California St., had plans prepared 6 story, brick, Filbert and Hyde Sts. $400,000.

Cal., San Francisco—Apartments—M. A. Litte, c/o E. E. Young, archt., 251 Kearny St., having plans prepared 10 story, Geary and Shannon Sts. $275,000.

Cal., Whittier—High School—Plans addition to high school. $525,000 bonds voted.

Que., Montreal—Hall—City plans to construct new building on Notre Dame St. to replace old City Hall which was destroyed by fire, not to exceed $1,500,000.

Que., Montreal—Hospital—Societe Catholique de Protection & Reseignments, 294 St. Catherine St. E., plans Mount La Salle Tuberculosis Hospital in Maisonneuve Park. $150,000.

Que., Montreal—Pathological-McGill University, Sherbrooke St. W., plans pathological building, Pine Ave. $300,000.

BIDS DESIRED

N. H., Exeter — Infirmary — Cram & Ferguson, archts., 8 Beacon St., Boston, receiving bids 2 story, brick and steel, plain foundation, Campus here, for Phillips Exeter Academy, Exeter. $150,000. Noted Feb. 3, 1921.

Mass., Springfield—Church, etc.—Allen & Collens, archts., 40 Central St., Boston, receiving bids 1 story, 65 x 110 ft. church and 2 story, 80 x 80 ft. parish house, brick and stone, plain foundations, Sumner Ave., for Trinity Methodist Church. $150,000. F. W. Adams, 37 Edwards St., pastor. Noted Mar. 9.

Conn., Hartford—High School—April 25 (change of date) by W. H. Scoville, chn. High School Plant and Bldg. Com., 3 story, rein.-con., brick and steel, Greenfield and Ridgefield Sts. $1,500,000. F. I. Cooper Corp., 33 Cornhill, Boston, archts. R. D. Kimball Co., 6 Beacon St., Boston, engrs. Noted March 23.

Conn., Stafford Springs—Memorial—E. C. and G. C. Gardner, archts., 33 Lyman St., Springfield, receiving bids 2 story, 62 x 115 ft., brick, steel and stone, plain foundation, Main St., for Bd. Selectmen. $150,000. Noted Aug. 4.

Conn., Waterbury—Office—Trowbridge & Livingstone, archts., 527 5th Ave., New York, receiving bids 2 story, 70 x 250 ft., rein.-con., brick and steel, plain foundation, Meadow St., for Amer. Brass Co., Grand and Meadow Sts. $150,000. Noted Mar. 9.

N. Y., Brooklyn—Apartment—Realty Associates, 162 Remsen St., 5 story, brick, steel and stone, plain foundation, Eastern Parkway. $200,000. Work will be done by separate contracts. B. Driesler, 153 Remsen St., archt. and engr.

N. Y., Brooklyn—High School—April 18, by C. B. J. Snyder, supt. School Buildings of Bd. Educ., Municipal Bldg., Thomas Jefferson High School, Dumont Ave. from Sheffield to Pennsylvania Aves., here.

N. Y., Cortland—Church—First Presbyterian Church taking bids 3 story, 75 x 75 ft., stone addition, Railroad St. $150,000. G. W. Kramer, 1 Madison Ave., New York, archt.

N. Y., Hornell—High School—April 25, by Bd. Educ. brick and stone, brick foundation. $450,000. Tooker & Marsh, 101 Park Ave., New York, archts. and engrs. Noted Feb. 16.

N. Y., Hudson—Industrial—April 14, by A. W. Allen, pres. Bd. Mgrs. New York State Training School for Girls, reconstructing industrial building. L. F. Pilcher, Albany, state archt.; adv. this issue.

N. Y., Malone—School—April 13, by Bd. Educ. brick, steel and stone, plain foundation. $220,000. Tooker & Marsh, 161 Park Ave., New York, archts. and engrs. Noted March 2.

N. Y., New York—Apartment—Bing & Bing Constr. Co., Inc., 119 West 40th St., brick, steel and stone, plain foundation, 85th St. and Park Ave. $750,000. Work will be done by separate contracts. Architect not selected.

N. Y., New York—Apartment—Coliseum Constr. Corp., c/o Sommerfield & Steckler, archts. and engrs., 31 Union Sq., 6 story, brick, steel and stone, plain foundation, East 181st St. $300,000. Work will be done by separate contracts.

N. Y., New York—Apartment Hotel—R Ciluzzi, 200 West 72nd St., 14 story, 60 x 80 ft., brick, steel and stone., plain foundation, West End Ave. and 103rd St. $1,000,000. Work will be done by separate contracts. Private plans.

N. Y., New York — Apartment — S. A. Herzog Constr. Co., 299 Madison Ave. Brick, steel and stone, plain foundation, 933 Park Ave. $600,000. Owner is builder, will construct by separate contracts and supervise work.

N. Y., New York—School—Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., receiving bids and open same about April 17, 5 story, 33 x 100 ft., brick, steel and stone, plain foundation, 50 East 62nd St., for Browning-Jones Realty Co., c/o architects. $200,000. Noted March 16.

N. Y., Watertown—Schools—April 10, by Bd. Educ., high school addition, Park Entrance and Cooper St. Schools, $375,000. F. S. Tisdale, supt. A. M. Skinner, 228 Arsenal St., arch. Noted March 9.

Pa., Glen Nor (Norwood Sta. P. O.)—High School—C. Brozer, archt., Chester, receiving bids 2 story, 84 x 132 ft., rein.-con., brick, steel and stone, plain foundation, for Glen Nor School Bd., c/o S. Wright, Norwood Sta. $175,000.

Pa., Greensburg—Hospital—E. L. Tilton, archt. and engr., 141 East 45th St., New York, receiving bids and opens same about April 15, addition to Westmoreland Hospital, here. Noted Feb. 16.

Pa., Newtown Square—Home, etc.—April 15, by C. Brazer, archt., Chester, 3 story, 30 x 280 ft. home, and 26 x 40 ft. power house and laundry, rein.-con., brick and steel, plain foundation, for Dunwoody Home, c/o architect. $350,000.

Pa., Phila.—Office—Magaziner & Eberhard, archts., 603 Chestnut St., receiving bids 6 story, 50 x 135 ft. brick, steel and stone, plain foundation, 7th and Chestnut St., for Washington Square Realty Co., architects.

Pa., Pittsburgh — Apartment — Merrill System Bldg. & Own Organization, 303 Jones Law Bldg., had plans prepared 3 story, 37 x 74 ft. brick and tile, Bailey Ave. $150,000. Work will be done by separate contract. Private plans.

Pa., Shenandoah—School—E. G. Perrott, archt., Boyerton Bldg., Phila., receiving bids 3 story, 60 x 140 ft. brick and stone, plain foundation, for Roman Catholic Church of the Annunciator, $150,000.

Va., Norfolk—Market—April 11, by C. E. Ashburner, city mgr., 3 story, 100 x 300 ft., brick and stone, wood pile foundation. $300,000 to $350,000. B. E. Mitchell, Seaboard Bank Bldg., archt. Noted Jan. 19.

W. Va., Fairmont—Gymnasium—April 10, by Bd. Educ., 2 story. $150,000. R. A. Gillis, Fairmont, archt

Buildings (Continued)

W. Va., Middlebourne—Courthouse and Jail—April 11, by Tyler Co., altering and building 2 story addition. $150,000. Holmboe & Pogue, Clarksburg, archts.

Ga., Macon—Court House and Jail—April 4, by J. R. Bowdre, clk. Bibb Co., 3 story, 103 x 178 ft., granite, brick and tile. $400,000. C. R. Ellis, and H. J. Behr. Ellis Bldg., archts.

O., Centerburg—High School—April 27, by D. E. Rinehart, clk. Bd. Educ., 2 story, 77 x 152 ft., fireproof construction. $150,000. O. D. Howard, 8 East Broad St., Columbus, archt.

O., East Cleveland (Cleveland P. O.)—Commercial—Eucor Co., Guardian Bldg., Cleveland, taking bids 2 story, 200 x 200 ft., brick and steel, Euclid and Superior Aves. $200,000. Cavanaugh & Baer, 2725 Prospect Ave., Cleveland, archts.

O., Germantown—School—April 21, by G. H. Ankeny, clk. Bd. Educ., 2 story, brick and concrete. $175,000. Walker & Norwich, 1301 Amer. Bldg., Dayton, archts.

O., Louisville—School—April 3, by St. Luke's Church 2 story, brick and steel. $150,000. W. Koehl, Park Bldg., Cleveland, archt.

O., Massillon—Office—April 5, by First Natl. Bank, 6 story, 40 x 144 ft. brick and steel, plain foundation, Main and Erie Sts. $300,000. Walker & Weeks, 1900 Euclid Ave., Cleveland, archts. Noted July 7.

O., Wilmington—High School—April 14, by G. B. Ballard, clk Bd. Educ., 2 story addition also remodeling auditorium and heating plant. $160,000. O. D. Howard, 8 East Broad St., Columbus, archt.

Ind., Bluffton—High School—Bd. Educ. receiving bids 2 story, 140 x 140 ft. brick. $160,000. E. I. Brown, Bluffton, archt.

Ind., Lafayette—Recitation Hall—April 4, by Purdue University, 2 story, 95 x 110 ft., brick. $150,000. R. F. Daggett, 962 Lemcke Annex, Indianapolis, archt. Noted Dec. 8.

Ind., North Manchester—School—April 10 by Bd. Educ., 2 story, 70 x 120 ft., brick. $150,000. C. R. Weatherhogg, Citizens Trust Bldg., Ft. Wayne, archt. Noted Feb. 2.

Mich., Pontiac—Bank and Office—April 18, by Smith, Hinchman & Grylls, archts., 710 Washington Arcade Bldg., Detroit, 8 story, 60 x 145 ft. brick, steel and stone, plain foundation, for Alverdo Bldg. Co. $400,000.

Ill., Chicago—Apartment—T. R. Bishop, archt., 35 South Dearborn St., receiving bids 3 story, 80 x 180 ft., rein.-con., brick and steel, 69th St. near Crandon Ave., for F. J. Campbell, 6616 Kimbark Ave. $180,000. Noted Feb. 23.

Ill., Chicago—Apartment—J. J. Lyons, 105 North Clark St., receiving bids 3 story, 150 x 150 ft., rein.-con., brick and steel, Winthrop Ave. $175,000. P. F. Olsen, 127 North Dearborn St., archt.

Ill., Chicago—Apartment—A. H. Knox, archt., 7 West Madison St., receiving bids 3 story, rein-con., brick and steel, Keystone and Cullom Aves., for R. A. Pottinger, 4056 North Kedvale Ave. $200,000. Noted March 16.

Ill., Chicago—Apartment—T. R. Bishop, archt., 38 South Dearborn St., receiving bids 3 story, 120 x 130 ft., rein.-con., brick and steel, 70th St. near Crandon Ave., for A. E. Sward, c/o architect. $500,000. Noted Feb. 23.

Ill., Chicago—Church—Lowe & Bollenbacker, archts., 108 South La Salle St., receiving bids 1 and 2 story, 35 x 70 ft. and 36 x 90 ft., rein.-con., brick and steel. Palmer Square, for 1st English Evangelical Church c/o architects. $150,000. Noted March 9.

Ill., Chicago—Office—Davidson & Weiss, archts., 53 West Jackson Blvd., receiving bids 10 story, 100 x 100 ft., rein.-con., brick and steel, Harrison and Clark Sts. $450,000. Owner's name withheld.

Ill., Chicago—Office—C. S. Frost, archt., 105 South La Salle St., receiving bids 3 story, 71 x 135 ft., rein.-con., brick and steel, 1400-6 Washington Blvd., for Public Life Insurance Co., c/o L. Norowitz, 1711 Park Ave. $360,000. Noted June 9.

Ill., Chicago—Synagogue—Newhause & Bernham, archts., 4630 South Prairie Ave., receiving bids 2 story, 125 x 200 ft., rein.-con., brick and steel, Drexel Blvd. and 50th St., for Kehilath Amnshe Mayriv Congregation, c/o architects. $800,000. Noted Nov. 10.

Ill., Elmhurst—Dormitory—W. C. Jones, arch., 155 North Clark St., Chicago, receiving bids 3 story, 70 x 135 ft., rein.-con., brick and steel, here, for Elmhurst College, Prospect St. near Church St. $150,000.

Ill., Evanston—Apartment—R. F. France, archt., 115 North Clark St., Chicago, receiving bids 3 story, 147 x 151 ft., rein.-con., brick and steel, here, for C. S. Read 2106 Orrington Ave. $250,000.

Ill., Oak Park — Apartment — Minchin, Spitz & Co., archts., 19 West Jackson Blvd., Chicago, receiving bids 3 story, 150 x 175 ft., rein.-con., brick and steel, here, for A. Eldredge, c/o architects. $275,000. Noted March 16.

Ill., Rock Island — College — April 6 (change of date) by Cervin & Horn, archts., 310 Safety Bldg., 2 story, brick, stone, rein.-con. and steel college, incl. seminary building and dormitory, for Augustana College. $400,000 G. A. Andreen, pres. Noted March 2.

Wis., Neenah—Bank—April 7, by Natl. Manufacturers Bank, 109 West Wisconsin Ave., and Childs & Smith, archts., 64 East Van Buren St., Chicago, 2 story, 60 x 90 ft., brick, concrete and stone, plain foundation. $150,000. Noted March 9.

Ia., Decorah—High School—April 20, by Bd. Educ., 3 story, 80 x 140 ft., rein.-con., brick, tile and stone, $150,000. Temple & Barrows, 208 Main St., Davenport, archts. Noted March 9.

Minn., New Ulm—Church and School—April 10 by St. Marys Roman Catholic Parish, 2 story, T shape, 133 x 133 ft., rein.-con., brick, tile and stone. $150,000. A. Losleben, pastor. H. J. Gaul, 111 West Washington St., Chicago, archt. Noted Feb. 2.

Kan., Coffeyville—High School—April 18, by Bd. Educ. 3 story, 135 x 195 ft. $280,000. A. L. Simmons, Bloomington, Ill., archt.

Mo., Fulton—Ward, etc.—April 5, by Fulton State Hospital 2 story, 40 x 120 ft. and 45 x 90 ft. ward and cattle barn, brick, stone and concrete. $150,000. M. F. Bell, Fulton, archt.

Mo., Kirksville — Demonstration, etc. — April 11, by Northeast Missouri State Teachers College, 2 story, demonstration, auditorium and gymnasium. $287 000. R. H. Sanneman, 519 Lee Bldg., Kansas City, archt. Noted March 9.

Cal., Los Angeles—High School—April 5, by Bd. Educ., 2 story, 141 x 223 ft., brick, stone, steel and stucco, 45th St. and McKinley Ave. $250,000. Train & Williams, 225 Western Mutual Bldg. ,archts.

Cal., Oakland—High School—April 17, by Bd. Educ., 11th and Jefferson Sts., 2 and 3 story, rein.-con., University High School site. $500,000. C. W. Dickey, Care Constr. Dept. of Bd. Educ., in charge. Noted Mar. 9.

Cal., San Francisco — Office — M. V. Politeo, archt., 1st Natl. Bank Bldg., receiving bids steel for 6 story, concrete, brick and steel, Sutter and Taylor Sts., for J. S. Morgan. Noted Mar. 9.

Cal., San Francisco—School—April 12, by Bd. Pub. Wks., building Horace Mann School, 2 story, rein.-con., 22nd and Valencia Sts. $400,000. J. Reid, Jr., 1st Natl. Bank Bldg., city archt. Noted Feb. 9.

Ont., Guelph — Collegiate—April 3, by Hutton & Sauter, archts., Hamilton Bank Bldg., 3 story, 159 x 204 ft. rein.-con., brick and steel, for Bd. Educ. $300,000.

Ont., St. Catharines—School—April 11, by C. T. McBride, secy. Bd. Educ., 3 story, 175 x 313 ft. rein.-con., brick, steel and stone, Geneva St. $600,000. S. B. Coon & Son, 4 St. Thomas St., Toronto, archts.

BIDS RECEIVED

N. Y., Richmond Hill (Jamaica, P. O.)—School—Bd. Educ., 500 Park Ave., New York, opened bids March 27, P. S. 54, brick, steel and stone, plain foundation, Hillsdale Ave. and 127th St., here, from G. F. Driscoll Co., 548 Union St., Brooklyn, $252,900; Putnam Constr. Co., 33 5th Ave., New York, $262,000; T. A. Clarke Co., 122 Livingston St., Brooklyn, $267,300. Noted March 23.

Pa., Phila.—Dormitory—P. H. Johnson, archt., Presser Bldg., (1) 3 story, 105 x 147 ft., and (2) 2 story, 93 x 98 ft. with 2 37 x 88 ft. wings, both rein.-con., brick and steel, plain foundation, 34th and Pine Sts., from Mitchell-Houseworth Inc., 30th and Lehigh Aves., (1) $282,357; T. J. and J. R. Whelan, 1011 Chestnut St., (1) $283,692, (2) $154,977; F. W. Mark Constr. Co., Commercial Trust Bldg., (2) $155,000. Noted March 16.

Wis., Chippewa Falls — High School — Opened bids March 22, 2 story, 90 x 200 ft., brick, rein.-con. and steel, plain foundation, from Schafer & Olson, 501 High St., $106,918; Hoeppner & Bartlett, 414 Grand Ave., Eau Claire, $108,540; Lindstrom & Anderson, 206 Bremer Arcade, St. Paul, Minn., $117,200. Noted March 2.

Cal., Burlingame — High School — Bd. Trustees San Mateo Union High School Dist., 2 story, rein.-con., general contract from Fink & Schlindler, 226-13th St., San Francisco, $157,256; heating and veitilating, from J. E. O'Mara, 243 Minna St., San Francisco, Proposition 1, $21,935, Proposition 2, $1,133, Proposition 3, $30,353, Proposition 4, $1,133. Noted Mar. 2.

Cal., Grass Valley — High School — Bd. Trustees Grass Valley High School Dist., 2 story, rein.-con., (a) main building, (b) gymnasium, from R. McLeran Co., Hearst Bldg., San Francisco, (a) $114,300, (b) deduct $15,650; H. S. Williams, 180 Jessie St., San Francisco, (a) $116,640, (b) deduct $18,403; G. Peterson, (a) $127,960, (b) deduct $22,061. Noted Mar. 9.

Man., Winnipeg — School — School Bd. opened bids March 20, for 2 story, brick and stone, Alverstone, Wellington and Burnell Aves., general contract from J. McDiarmid Co., Ltd., Winnipeg and Myrtle Aves., $323,410, Sutherland Constr. Co., Ltd., Merchants Bank Bldg., $386,800, Carter-Halls-Aldinger Co., Ltd., Union Bank Bldg., $394,729; heating and ventilating from Bowyer Boag Ltd., 45 Olivia St., $68,514, Coter Bros., Ltd., Fort and St. Mary's Aves., $69,000. C. D. Kirk Co., 402 Tribune Bldg., $69,818; electric wiring from Star Electric Co., 185 Lombard St., $28,500. Schumacher Gray Co., Ltd., 187 Portage Ave., $28,750, McDonald & Willison Ltd. Co., 309 Fort St., $29,378. Noted March 9.

CONTRACTS AWARDED

Mass., Boston—Bank and Office—Beacon Trust Co., 20 Milk St., 12 story, 40 x 138 ft., brick, steel and stone, Milk St., to I. G. Hersey & Sons, 75 Wareham St. $1,000,000. Noted Jan. 26.

Mass., Boston—Office—L. D. Towle, 68 Devonshire St., 11 story, limestone, concrete, brick and steel, High and Congress Sts., to Evatt Constr. Co., 161 Devonshire St. $750,000.

Conn., Stamford—Business—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., 3 story, 65 x 145 ft., concrete, brick and steel, plain foundation, Atlantic St., here, to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. Noted Nov. 17.

N. Y., Brooklyn—Apartment—Neiblima Building Co., c/o Shampan & Shampan, archts. and engrs., 50 Court St., 4 story, brick, steel and stone, plain foundation, Albany Ave., by day labor. $175,000.

N. Y., Brooklyn — Apartment — Olga Realty Co., c/o Shampan & Shampan, archts. and engrs., 50 Court St., 4 story, brick, steel and stone, plain foundation, Ocean Parkway and Church Ave., by day labor. $150,000.

N. Y., Brooklyn—Apartment—Realty Corp., c/o Cohn Bros., archts. and engrs., 361 Stone Ave., 3 story, brick, steel and stone, plain foundation, Lincoln Pl., by day labor. $175,000.

N. Y., Brooklyn — Synagogue — Temple Isaac Congregation, 961 Bergen St., brick, steel and stone, plain foundation, 554 Prospect Pl., to W. Kennedy Constr. Co., 215 Montague St. $250,000. Noted Oct. 6.

N. Y., Corning—Academy—Corning Free Acadamy, Inc., Pine & 3rd Sts., brick, steel and stone, plain foundation, to J. E. Vroman, 521 High St., West Hoboken, N. J. Noted Jan. 26.

N. Y., New York—Apartments—Abbarmar Holding Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., two 6 story, brick, steel and stone, plain foundations, Grand Concourse, by day labor. $250,000 each.

N. Y., New York—Apartment—Friedman & White, c/o C. B. Meyers, archt. and engr., 31 Union Sq., 6 story, brick, steel and stone, plain foundation, Riverside Dr., by day labor. $500,000.

N. Y., New York—Apartment—Trio Holding Co., c/o C. B. Myers, archt. and engr., 32 Union Sq., 6 story, brick, steel and stone, plain foundation, Haven Ave., by day labor. $200,000.

N. Y., New York—Hotel—Bronx Boosters Inc., c/o Maynicke & Franke, archts and engrs., 25 East 26th St., 10 story, 122 x 246 ft., brick, steel and stone, plain foundation, Grand Concourse between 161st and 162nd Sts., to Niewenhous Bros., 316 East 161st St. $750,000.

N. Y., New York — Theatre — Ogden Amusement Co., c/o E. De Rosa, archt. and engr., 110 West 40th St., brick, steel and stone, plain foundation, 171st St. and Ogden Ave., to M. Shapiro, 103 West 46th St. $400,000. Noted Oct. 20.

N. J., East Orange — Theatre — East Orange Amusement Co., c/o H. Rosensohn, archt. and engr., 188 Market St., Newark, 1 story, brick, steel and stone, plain foundation, Main and Grove Sts., here, by day labor. $150,000.

N. J., Jersey City—Schools—Bd. Educ. general contract for Junior high school, Greenville Sect., to M. T. Connolly Contg. Co., 238 17th St., $992,997, plumbing, also heating and ventilating work, to W. W. Farrier Co., 44 Montgomery St., $97,666 and $198,375 respectively, electrical work, to W. J. Coleman, 29 Willow Court, $31,-

Buildings (Continued)

874; general contract for school in Lafayette Sect., to W. H. and F. W. Cane, 10 Journal Sq., $592,000, plumbing, to J. P. Meehan, 271 Washington St., $51,774, ventilating, to J. H. Cooney, 210 North 4th St., Harrison, $108,565, electrical work, to Watson-Flagg Eng. Co., 120 Liberty St., New York. Noted March 9.

Pa., Haverford — High School — School Bd., 2 story, 72 x 177 ft. and 1 story, 58 x 83 ft. rein.-con., brick and steel, plain foundations, Darby and Cooperstown Rds., to Bowen Constr. Co., 1713 Sansom St., Phila., $193,413.

Pa., Phila.—School—St. Rose of Lima Parish, 3 story, 60 x 128 ft. brick, steel and stone, plain foundation, to M. Melody & Sons, 1322 Race St. $160,000. Noted Feb. 23.

Pa., Pittsburgh—Apartments and Office—Joint Ownership Constr. Co., 342 Madison Ave., New York, four 8 story, 40 x 130 ft., brick, steel and stone apartment houses, Shady and Emerson Aves., and 6 story, 60 x 130 ft. brick and limestone office building, Shady and Walnut Aves., here, to Hegeman & Harris, 185 Madison Ave., New York, $1,400,000 and $500,000 respectively.

Pa., Wayne—High School—School Bd. Radnor Twp., 2 story, 66 x 130 ft. rein.-con. and steel, plain foundation, to F. W. Warren, 133 South 17th St., Phila., $146,-127. Noted Feb. 9.

W. Va., Charleston—Schools—Bd. Educ., building 2 story, 90 x 140 ft. high school, Ruffner Ave., to Charlottesville Lumber Co., Charlottesville, Va., $182,904; 2 story grade school, near Luna Park, to Wise Granite & Constr. Co., Amer. Natl. Bank Bldg., Richmond, Va., $134,980. Noted Mar. 2.

W. Va., Parkersburg — Home — Grand Lodge, A. F. & A. M., c/o A. G. Nadenbush, Martinsburg, 3 story, rein.-con., brick and steel, concrete pile foundation, Beechwood St., here, to R. R. Kitchen Co., Natl. Bank of West Virginia Bldg., Wheeling, $124,897.

Ga., Atlanta—Apartment—G. L. Preacher, arch. and part owner, Healey Bldg., 3 story, brick and rein.-con., Juniper and 8th Sts., to Gude & Co., 64 Poplar St., $160,000.

Fla., Lakeland—College—Southern College, two 3 story and one 2 story, concrete, brick and tile, to Hugger Bros. Constr. Co., Bell Bldg., Montgomery, Ala. Noted Mar. 16.

O., Alliance — High School — Bd. Educ. Liberty School, 2 story, brick and concrete, to Clemmer & Johnson, 406 Metropolitan Bldg., Akron, $161,924. Noted March 23.

O., Cleveland—Commercial and Apartment—M. Margolin, 3430 East 118th St., masonry contract for 3 story, 118 x 130 ft., brick and steel, plain foundation, Euclid and Rosedale Aves., to Winikur Bros., 2280 East 93rd St., $150,000.

O., Cleveland — School — St. Jeromes Catholic Parish, L. Hammer, pastor, 14802 Lake Shore Blvd., 3 story, 70 x 100 ft., rein.-con., brick and steel, plain foundation, East 152nd St. and Lake Shore Blvd., to Schirmer O'Hara Co., 2031 Euclid Ave. Noted March 2.

O., East Liverpool—Bank—Mowbray & Uffinger, archts. and engrs., 56 Liberty St., New York, 1 story, 60 x 125 ft., brick, steel and stone, here, to Heller Bros. Co., Furnace St., Youngstown, for First Natl. Bank. Noted Feb. 16.

O., Warren—Theatre—Robins Enterprise Corp., 2 story, 75 x 168 ft., brick, steel and terra cotta, East Market St., to C. Shutrump & Sons, Home Savings & Loan Bldg., Youngstown, $175,000.

Ind., Indianapolis — Apartment — Van Cortland Realty Co., Merchants Bank Bldg., 3 story, 60 x 202 ft., brick, 2010 North Meridian St., to Dollman Constr. Co., Merchants Bank Bldg. $150,000.

Ind., Indianapolis—Club—R. F. Daggett, archt., Lemcke Annex, 11 story, 100 x 127 x 200 ft. rein.-con., brick and steel, Vermont and Meridian Sts., to Bedford Stone & Constr. Co., 810 Fletcher Trust Bldg., for Indianapolis Athletic Club. $1,000,000. Noted Feb. 16.

Ind., Indianapolis — Community — Westinghouse Community Bldg. Co., 3220 East Michigan St., 2 story top addition and 3 story, 120 x 160 ft., East Michigan and Dearborn Sts., to Hardin Constr. Co., 3220 East Michigan St. $150,000.

Mich., Bay City — High School — Bd. Educ., 37 x 270 ft., to H. C. Webet Constr. Co., 327 Shearer Bldg., $250,000.

Mich., Detroit—Office—J. J. Barlum, 5737 Second Blvd., 8 story, 60 x 120 ft. rein.-con., brick and steel, plain foundation, Grand River and Bway. Aves., to O. Misch Co., Detroit Savings Bank Bldg.

Mich., Grand Rapids—Hotel—B. K. Gibson & Co., archts., 608 South Dearborn St., Chicago, 8 story, 69 x 151 ft. rein.-con. brick and steel, Monroe and Michigan Aves. to Owen-Ames-Kimbal Co., 42 Pearl St., for Furniture City Realty Co., 515 Lyons Ave. $1,000,000. Noted Feb. 16.

Ill., Benton—School—Bd. Educ., 2 story, 62 x 156 ft., brick, steel, rein.-con. and stone, to P. E. Tillman, Centralia. Noted March 2.

Ill., Champaign—Fraternity House— H. Shaw, archt., 39 South State St., Chicago, 3 story, 45 x 75 ft., rein.-con., brick and stone, Chalmers Ave., here, to English Bros., 419 Lincoln Bldg., for Phi Delta Theta Fraternity, 202 East Green St. $150,000. Noted Feb. 16.

Ill., Chicago—Apartment—H. F. Bloom, c/o A. S. Hecht, archt., 155 North Clark St., 3 story, 150 x 280 ft., Paxton Ave. near 67th St., and 3 story, 150 x 208 ft., Paxton Ave. near 69th St., both rein.-con., brick and steel, to Welch-McCarthy Constr. Co., 56 West Washington St. $275,000 each. Noted March 9.

Ill., Chicago—Apartment—Levy & Klein, archts., 111 West Washington St., 3 story, 110 x 120 ft., rein.-con., brick and steel, 4928-36 North Spaulding Ave., to H. Korshak, 3234 Douglas Blvd., for R. S. Cook, 139 North Clark St. $150,000. Noted Feb. 9.

Ill., Chicago—Apartment—I. Merleovitz, 3425 West 15th St., 3 story, 70 x 121 ft., rein.-con., brick and steel, Adams and Springfield Aves., to Douglas Constr. Co., 3140 West 15th St. $150,000.

Ill., Chicago—Office and Sales—A. S. Alschuler, archt., 28 East Jackson Blvd., 3 story, 100 x 300 ft., rein.-con., brick and steel, 22nd St. and Michigan Blvd., to Wells Bros. Constr. Co., 53 West Jackson Blvd., for Hudson Motor Car Co., 25th St. and North Michigan Blvd. $350,000. Noted Feb. 23.

Ill., Evanston — Church — Hemenway Methodist Episcopal Church, Hinman and Church Sts., 1 story, 43 x 106 ft., rein.-con., brick and steel, 933 Chicago Ave., to Fillayson Bros., 130 North Clark St., Chicago. $150,000. Noted Feb. 23.

Ill., Savanna—High School—Savanna Twp. Bd. Educ., 2 story, 70 x 100 ft., rein.-con., brick and stone, to Savanna Constr. Co., Savanna. Noted Feb. 16.

Wis., Milwaukee—Apartment Hotel—The Builders, Inc., 114 Grand Ave., will build 5 story, 100 x 160 ft., brick and concrete, plain foundation, Cass St., by day labor. $200,000. F. Howend, 69 Wisconsin St., archt.

Wis., Milwaukee—Hospital and Nurses Home—Milwaukee Childrens Free Hospital, 219-10th St., 5 and 4 story, brick and concrete, plain foundation, Grand Ave., to P. Riesens Sons, 1018 Humboldt Ave., $429,-547. Noted March 16.

Ia., Des Moines—High School—Bd. Educ., Roosevelt School, 3 story, rein.-con., brick, tile and stone, Park Blvd. between Center and Chamberlain Aves., general contract to W. F. Kucharo, Hubbell Bldg., $774,970; heating and plumbing to Van Dyck Heating & Plumbing Co., 1111 Walnut St., $191,421; electric work to Whalen Electric Co., 218 3rd St., $27,268. Noted Feb. 23.

Ia., Waterloo—Hospital—Allen Memorial Hospital Assn., general contract 4 story, 44 x 230 ft., rein.-con., brick and tile, Logan Ave., to Register & Buxton, Waterloo, $99,994. Noted Feb. 23.

Mo., Columbia—Science Hall—Stephens College, 3 story, 60 x 180 ft., brick, steel and stone, to Davis & Phillip Constr. Co., Columbia. Noted Feb. 9.

Mo., Union—Courthouse and Jail—N. B. Howard, archt., Arcade Bldg., St. Louis, 3 story, 90 x 90 ft., rein.-con., brick and stone, here, to G. H. Gassman, Charleston, for Franklin Co. Noted Jan. 12.

Cal., Berkeley—Gymnasium—Bd. Educ., rein.-con. and brick gymnasium, carpentry and mill work, also excavating and concrete work to Barrett & Hilp, 918 Harrison St., San Francisco, $37,343 and $22,811 respectively; brick work to White & Gloor, Monadnock Bldg., San Francisco, $14,745; structural steel, to California Steel Co., Hobart Bldg., San Francisco, $7,345; marble and tile to Rigney Tile Co., 2148 Telegraph Ave., Oakland, $2,893. Noted Mar. 9.

Cal., Long Beach—Apartment — O. H. Hubbard, 1250 East Ocean Blvd., 11-story, 50 x 150 ft., rein.-con., marble and tile, Cedar Ave. and B'way., to Dow Constr. Co., 2600 Idell St., Los Angeles, $320,000.

Cal., Los Angeles—Hotel—Central Investment Co., 633 Pacific Finance Bldg., 14 story, 198 x 320 ft., brick, steel and terra cotta, 5th and Olive Sts., to Scofield Eng. Constr. Co., Pacific Finance Bldg., $5,086,-000. Noted Mar. 23.

Cal., Los Angeles—Store—Central Business Properties Co., c/o Stanton, Reed & Hibbard, archts., Metropolitan Bldg., 2 story, 100 x 150 ft., rein.-con., stucco and stone, Flower St. between 6th and 7th Sts., structural work, to Scofield Eng. Constr. Co., Pacific Finance Bldg., $154,000; cabinet work, decorating, equipment and fittings, to Stanton, Reed & Hibbard, Metropolitan Bldg., $125,000.

Federal Government Work

BIDS DESIRED

Mass., Boston — Equipment — Spec. 4583 —April 12 (change of date) by Bureau Yards & Docks Navy Dept., Wash., D. C., coal handling equipment, here. Noted March 9.

N. Y., New York—Barges—April 17, by U. S. Engineer, Room 710, Army Bldg., one steel oil barge and one steel water barge; adv. this issue.

N. Y., New York—Shed — Spec. 4589—April 19, Bureau Yards & Docks, Navy Dept., Wash., D. C., steel storage shed on Pier H, here. Noted Feb 23.

Del., Wilmington—Dredging—April 24, by U. S. Engineer, Wilmington, dredging Maurice and Cohansey Rivers, N. J.; adv. this issue.

D. C., Wash.—Radio Station—April 10, by Constructing Quartermaster, Room 2328, Munitions Bldg., for radio station at Washington Barracks, here; adv. this issue.

Ala., Mobile—Heating System—April 19, by Treas. Dept., Wash., D. C., heating system in main building, Marine Hospital, here. J. A. Wetmore, acting superv. archt.

Ala., Mobile — Refrigeration System — April 19, by Treas. Dept., Wash., D. C., refrigeration system in main building, Marine Hospital, here. J. A. Wetmore, acting superv. archt.

Ind., Evansville—Boilers — April 14, by Treas. Dept., Wash., D. C., removing two boilers, furnishing and installing 2 new horizontal return tubular high pressure steam boilers, with down draft furnaces at U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.

Wis., Milwaukee—Equipment—April 3, by C. E. Newton, treas. Natl. Home for Disabled Volunteer Soldiers, Northwestern Branch, smoke breeching and electric light feeder at power house, here.

Mont., Malta—Drainage—April 17, by U. S. Recl. Serv., Malta, laterals and wastewater ditches, Vandalia Canal, Milk River Project, 178,000 cu.yd. excav., along Great Northern Railway in vicinity of Tampico, Glasgow and Nashua. G. E. Stratton, project mgr.

Cal., Point Loma—Garage, etc.—Spec. 4599—April 5, Pub. Wks. Office, 11th Naval Dist., Loma Portal, San Diego, for 1 story, frame garage, at Naval Radio Station, here, and 1 story, coal and store shed at Naval Radio Station, Imperial Beach. Noted March 9.

In March

We published 91 tips on new Federal Government work:

Proposed work	14
Bids desired	40
Bids received	15
Contracts awarded	22

Opportunities—every week—here

BIDS RECEIVED

N. Y. Hoffman Island—Buildings, etc.—Treas. Dept., Wash., D. C., 4 new buildings and remodeling 7 present structures, from G. Colon, 81 East 125th St., New York, $190,914; M. Serretto, 3 Tremont Row, Boston, Mass., $194,000. Northeastern Constr. Co., 101 Park Ave., New York, $206,327; mechanical equipment for former, heating, plumbing and wiring systems, etc., in present structures, from Noland-Clifford Co., 322-28th St., Newport News, Va., $89,644; Jaehnig & Peoples 221-13th Ave. Newark, N. J., $93,750; Austin Eng. Co., 121 West 42nd St., New York, $94,762. Noted Mar. 2.

Tex., Laredo—Extension to Workroom, etc.—Treas. Dept., Wash., D. C., extension to workroom at U.S. Post Office, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala., $15,582; J. Depuy, 616 Dedell Bldg., San Antonio $16,875; Garber &

Federal Government (Conthinued)

Cissell, Bethlehem, Pa., $17,000. Noted March 2.

Wash., Tatoosh—Operating and Power Bldg, etc.—Spec. 4574—Bureau Yards & Docks, Navy Dept., Wash., D. C., operating and power building, cisterns, walks, water and sewer systems, at naval radio station, here, (1) work complete, from B. Ward, 418 Peoples Bank Bldg., Seattle, $14,881 (90 days) (2) $600 (3) $400; W. F. Martins, 112 Cutler Bldg., Rochester, N. Y., (1) $18,613 (140 days) (2) $700 (3) $500; G. E. Wright, Inc., 1454 Monadnock Bldg. Chicago, (1) $18,950 (90 days) (2) $850 (3) $800. Noted Feb. 16.

CONTRACTS AWARDED

Cal., San Diego—Barracks, etc.—Spec. 4563—Bureau Yards & Docks, Navy Dept., Wash., D. C., 6 barracks, 2 entrance buildings and gates at naval base, here, to Lange & Bergstrom, 819 Timken Bldg., $487,000 (270 days). Noted March 16.

Miscellaneous

PROPOSED WORK

Subway, etc.—Buffalo, N. Y.—Delaware, Lackawanna & Western R.R., Lackawanna Sta., making plans concrete subway and retaining walls under tracks at Water and Commercial Sts. $50,000. G. E. Boyd, Lackawanna Sta., engr.

Fair Grounds—Dunkirk, N. Y.—Chautauqua Co. Fair Assn. voted $100,000 bonds to improve fair grounds, incl. erection new grand stand, etc.

Mechanical Equipment—Pittsburgh, Pa.—R. D. Schorley, comr. roads Allegheny Co., soon takes bids mechanical conveying equipment for 2 asphalt plants.

Swimming Pool—Raleigh, N. C.—Hayes-Barton Recreation Co., plans 90 x 180 ft. concrete swimming pool in Hayes-Barton suburb of Raleigh, Glenwood Ave., inc. dressing rooms, shower baths, bleachers, etc. $100,000. G. L. White, 300 Hillcrest St., dir.

Grain Elevator — Stockdale, Ill. — G. H. Weitz & Son plan brick, rein.-con. and steel. $30,000. Private plans.

Levee—Council Bluffs, Ia.—Pottawattami Co., Ia. (Council Bluffs), and Douglas Co., Neb. (Omaha), plan 4 mi. levee to protect Carter Lake Dist. and East Omaha land. $175,000.

Roller and Tractor—San Leandro, Cal.—City Trustees plan to purchase street roller and tractor. J. J. Gill, clk.

Gas Roller — Stockton, Cal. — Supervs. San Joaquin Co. plan to purchase 5 ton gas roller for highway maintenance department.

BIDS DESIRED

Electric Wiring, etc.—Binghamton, N. Y.—April 5, by State Hospital Comn., Albany, electric wiring in west building, sanitary work—plumbing and sewage disposal, Orchard House at State Hospital, here. L. F. Pilcher, Albany, state archt.; adv. this issue.

Pipe—Buffalo, N. Y.—April 3, by Bureau Pub. Utilities, Dept. Pub. Wks., about 10,000 ft. 5 3/16-10 in. pipe to be used in connection with gas wells.

Trucks—Jamestown, N. Y.—Dept. Pub. Wks., City Bldg., in market for 2 new trucks. $12,000.

Miscellaneous Construction, etc.—New York, N. Y.—April 10, by Transit Comn., 49 Lafayette St., miscellaneous construction and station finish work for parts of certain municipal rapid transit railroads, Contrs. 3 and 4, Boros of Manhattan and Brooklyn; station finish work for part of 14th St.-Eastern Rapid Transit R. R., Boro of Brooklyn; new entrance to 168th St. station of Manhattan-Bronx Rapid Transit R.R. G. McAneny, chn.

Steel Cover, etc.—New York, N. Y.—April 12, by Transit Comn., 49 Lafayette St., furnishing and delivering steel covers and frames for low bench duct manholes of certain Rapid Transit railroads in Boroughs of Manhattan and Brooklyn, Agreement "BP," Contr. 4; constructing steel ladders and gratings in 2 shafts of Bronx River Duct Tunnel, Routes 19 and 22, Sect. 2, Boro of Bronx, Agreement "BU"; supply of special work and other track materials (Order No. 20) for use in construction of part of Jerome Ave. Yard of 7th Ave.-Lexington Rapid Transit R.R. G. McAneny, chn.

Subsurface Passageway, etc.—New York, N. Y.—April 11, by Rapid Transit Comn., 49 Lafayette St., subsurface passageway connecting stations on Bway.-4th Ave. and 14th St.-Eastern Rapid Transit Railroads; miscellaneous construction and station finish on parts of Queensboro Subway, 7th Ave.-Lexington Ave. and Bway.-4th Ave. Rapid Transit Railroads; entrance to Borough Hall Sta. through isle of safety, Boro of Brooklyn. G. McAneny, chn.

Steam Ashes—Richmond Hill (Jamaica, P. O.) N. Y.—April 3, by M. E. Connolly, pres., Queens Boro, 68 Hunterspoint Ave., furnishing and delivering 12,000 ton steam ashes, 20,000 gal. fuel oil in tank cars along side at Asphalt Plant No. 3, Knights Siding, here.

Road Machinery—Salamanca, N. Y.—Alleghany State Park Comn. receiving bids for road machinery. $5,000.

In March

We published 211 tips on miscellaneous subjects—park and harbor improvements, equipment, materials, heating and ventilating apparatus, etc., as follows:

Proposed work	46
Bids desired	105
Bids received	12
Contracts awarded	48

All kinds of opportunities—are you making the most of them?

Bituminous Material—St. George, S. I.—April 3, by M. J. Cahill, pres. Richmond Boro., furnishing and delivering 100,000 gal. bituminous material for road surfacing; five thousand 3 x 4 x 8 in., five thousand 4 x 3 x 8 in. and fifteen thousand 3 x 3 x 8 in. wood paving blocks; 400 ton asphaltic cement; 850 cu.yd. screenings of trap rock, granite, limestone or dolomite; 750 cu.yd. sand, 1,500 cu.yd. 1½ in. and 200 cu.yd. ¾ in. broken stone and 150 cu.yd. screenings of trap rock to Dist. 1; 1,600 cu.yd. 1½ in., 200 cu.yd. ¾ in. and 120 cu.yd. trap rock screenings to Dist. 2; 2,100 cu.yd. 1½ in., 150 cu.yd. ¾ in. broken stone and 150 cu.yd. trap rock screenings to Dist. 3; 1,150 cu.yd. grits to Dist. 1; 1,250 cu.yd. grits to Dist. 2; 1,650 cu.yd. grits to Dist. 3.

Sewer Cleaning Machine—Madison, N. J.—See "Sewers."

Bituminous Concrete—Trenton, N. J.—April 12, by State Hy. Comn., furnishing bituminous concrete, asphalt cement emulsion in barrels, asphalt, tar, crushed trap rock, limestone, dolomite, gneiss and slag. A. W. Muir, 517 Broad St., Bank Bldg., supt. maintenance; adv. this issue.

Pier—Phila. Pa.—April 18, at office G. F. Sproule, dir. Dept. Wharves, Docks and Ferries, 550 Bourse Bldg., superstructure of Girard St. Pier 3 North, and substructure and superstructure of Girard Pier 5, North Delaware River; adv. this issue.

Heating Oven and Outfit—Shenandoah, Pa.—April 15, by G. Feist, chn. Street Comn. small heating oven and outfit; adv. this issue.

Crane—Baltimore, Md.—April 12, by Bd. Awards, c/o City Register, furnishing and delivering one portable crane to water dept. H. G. Perring, ch. engr.; adv. this issue.

Seawall—Tampa, Fla.—See "Streets and Roads."

Road Oil, Cement, etc.—Ann Arbor, Mich.—See "Streets and Roads."

Water Meters—Petersburg, Ill.—April 20, by F. M. Finney, clk., 350-400 water meters.

Road Drags—Pierre, S. D.—April 5, by Hughes Co., five or ten 8 ft. road drags.

Equipment—Fond du Lac, Wis.—Hurcum Fuel Co., 35 West 1st St., receiving bids and opens same about April 10, machinery, equipment, concrete, etc., for 4 storage elevators, 1,000 ton capacity. Private plans.

Crushed Rock, etc.—Milwaukee, Wis.—Central Bd. Purch., City Hall, taking bids crushed rock, gravel and sand for repairs to streets. G. Staal, city engr.

Foundation—Milwaukee, Wis.—G. H. Leipold, archt., 160 Martin St., taking bids on excavating and piling for 6 story, 120 x 160 ft. warehouse, rein.-con. and brick, wood pile foundation, 3rd and Prairie Sts., for Lincoln Warehouse & Van Co., 226 4th St.

Generator Set—Milwaukee, Wis.—Cahill & Douglas, engrs., 217 West Water St., taking bids 200 hp. motor generator set for Geuder, Paeschke & Frey, 15th St. and St. Paul Ave.

Tractor—Pine City, Minn.—April 10, by Pine Co., one 40-65 tractor able to pull 12 ft. grader. A. P. Edin, aud.

Light Posts—St. Paul, Minn.—April 10 by H. W. Austin, city purch. agt., twenty-five 400 c. p. single posts on Wabasha St. from Central Ave. to Rice St. and thirty-four 400 c.p. single posts on Wabasha St. from 10th St., to Central Ave.

Road Oil—St. Paul, Minn.—April 3, by Ramsey Co., 350,000 gal. road oil. Former bids rejected. R. R. Godfrey, co. engr. Noted Feb. 23.

Engine and Generator—Holton, Kan.—April 10, by city, 100 kw. unaflow engine and generator. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Plumbing, Heating and Ventilating Systems—Lincoln, Neb.—April 27, by J. G. Ludlam, secy. Bd. Educ., plumbing, heating and ventilating systems for Whittier Junior High School, 22nd and Fulton Sts. Total cost of building, $499,000. Fiske & Meginnis, 533 Bankers Life Bldg., archts.

Electric Light System—Wood Lake Neb.—See "Waterworks."

Crane—Aberdeen, Wash. — April 11 by Port of Grays Harbor at office of Commission, 206 East Wishkah St., one 5 ton, 95 ft. traveling hammerhead crane. F. H. Lamb, pres.; adv. this issue.

Ice Arena—London, Ont.—G. Little of Robinson, Little Co., 343 Richmond St., receiving bids for ice arena. $150,000. Prices wanted on equipment.

Bituminous Material and Cement—Ottawa, Ont.—Suburban Rd. Comn., 26 Wellington St., taking bids and soon opens same, 60,000 gal. bituminous material, 1,000 bbl. portland cement and quantity of pipe. A. K. Hay, Thistle Bldg., engr.

BIDS RECEIVED

Foundation—Norfolk, Va.—Opened bids March 25, pile and timber foundation for proposed grain elevator, also pile trestle, coffer dam work, from Sanford & Brooks Co., Seaboard Bank Bldg., $92,941; McLean Contg. Co., New York, N. Y., $102,552; Alsop & Pierce, 1st Natl. Bank Bldg., Newport News, $125,246. Noted March 16.

Cement—Milwaukee, Wis.—Opened bids March 22, 10,000 bbl. cement, from Schneider Fuel & Supply Co., 29th and Forest Home Ave., $2.34 per bbl.; Milwaukee Cement Co., 97 Wisconsin St., $2.66; Western Lime and Cement Co., 68 Wisconsin St., $2.68. Noted March 16.

Asphalt—St. Paul, Minn.—Furnishing 400 ton asphalt, from Minnesota Road Equipment Co., 427 Plymouth Bldg., Minneapolis, $19.95 ton, tank cars; Carson Petroleum Co., 208 South La Salle St., Chicago, two grades Mex. asphalt, $21 and $26.50; Camden Petroleum Co., 208 South La Salle St., Chicago, $22. Noted Mar. 9.

CONTRACTS AWARDED

Ornamental Lighting System—Binghamton, N. Y.—Secretary Bd. Contract & Supply, ornamental lighting system on Chenango, Court and Water Sts., to Ransome Anderson Co., Inc., New York, $58,683. Noted March 9.

Paving Brick, etc.—Jamestown, N. Y.—Bd. Estimate & Review, furnishing and delivering during 1922, vitr. shale paving brick, incl. Hillside 1 standard paving blocks, to Jamestown Shale Paving Brick Co., East Jamestown, $41 per M for Hillside, $37 for Dun Wire Cut; portland cement on streets and in car lots, f.o.b. Jamestown, to Builders Supply Co., Jamestown, $2.39 per hundred not delivered and $2.24 delivered in carlots. Noted March 2.

Shaft Caissons and Tunnels—New York, N. Y.—New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Room 617 Hall of Records, Hudson River vehicular tunnel, Contrs. 3 and 4, Booth & Flinn, Ltd., 17 Battery Pl., $19,331,723. Noted Feb. 23.

Tar, etc.—Trenton, N. J.—Bd. Freeholders Mercer Co. furnishing 36,000 gal. tar, to T. Tobish, Amer. Mechanic Bldg., $0.19 per gal.; 26,000 gal. asphaltic emulsion, to Headley Good Roads Co., Franklin Trust Bldg., Phila., $0.2225; 10,000 gal. cut back asphalt, to Warner-Quinlet Co., 79 Wall St., New York, $0.17. Noted March 2.

Pier—Phila., Pa.—Dept. Wharves, Docks & Ferries, 550 Bourse Bldg., superstructure of Porter St. Pier to F. M. Harrish & Co., 1520 Parrish St. $1,250,000. Noted March 9.

Distribution System—Watertown, S. D.—Distribution system to A. E. Champlin Co., Fargo, $88,375; residential street lighting system, to S. H. Addison, Watertown, $41,000. Noted Dec. 15.

Grader—Webster, S. D.—Day Co., one 12 ft. blade grader, to Austin Western Rd. Mchy. Co., 375 Cedar St., St. Paul, $1,140. Noted March 2.

Drill Tower—San Francisco, Cal.—Bd. Pub. Wks., fire drill tower, Division St. near 11th St., general construction to I. M. Sommer, Balboa Bldg., $23,874; brick and hollow tile work to C. Hock, 180 Jessie St., $9,375. Noted March 23.